

C-3

Humboldt Mill Project Aquatic Survey of Wetland EE Complex



Date: October 25, 2007

To: Andrea Martin, Foth Infrastructure & Environment, LLC

From: R. Douglas Workman, Ph.D., Advanced Ecological Management, LLC

Memo: Humboldt Mill Project, Aquatic Survey of Wetland EE Complex

INTRODUCTION

Advanced Ecological Management, LLC (AEM) conducted an environmental baseline aquatic survey in the vicinity of the Humboldt Mill Project site on October 11 and 12, 2007 for Kennecott Eagle Minerals Company under contract to Foth Infrastructure & Environment, LLC. The project is located approximately 25 miles west of Marquette, Michigan as shown on Figure 1. The aquatic survey included an investigation of fish and aquatic macroinvertebrate communities in a wetland complex located north of the Humboldt Mill between the Humboldt Tailings Disposal Facility (HTDF) and the Middle Branch of the Escanaba River (Figure 2). The wetland complex encompasses Wetland EE, a wetland within the project boundary. Wetland EE was evaluated by King & MacGregor Environmental, Inc in 2007 (KME, 2007). The work herein complements the aquatic surveys performed in 2006 and 2007 by AEM on the Humboldt Mill site as documented in the Humboldt Mill Aquatic Survey Report 2006 (AEM, 2007a) and the Aquatic Survey of the Humboldt Tailings Disposal Facility (AEM, 2007b).

The wetland complex is predominantly comprised of emergent and scrub-shrub wetland vegetation, including cattails (*Typha* sp.) and speckled alder (*Alnus rugosa*). Water generally moves through the wetland complex in a northerly direction from the vicinity of the HTDF towards U. S. Highway 41 and to the Middle Branch of the Escanaba River. The hydrology of the wetland complex is influenced by the presence of U.S. Highway 41 and a rail bed, both of which bisect the wetland from east to west and direct water movement through numerous culverts (Figure 2).

A small drain (stream) and a ponded area were investigated within the wetland complex to assess the aquatic community. Both locations appeared to have a consistent water

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supply and each location had notably different hydrology characteristics (e.g., visibly flowing in the drain versus standing surface water in the pond). The stream, which drains flow along the right-of-way of Wolf Road, (Marquette County Road FX) approximately 1,200 feet south of the Middle Branch of the Escanaba River, was sampled as part of this survey and appears to convey a portion of the water moving through the wetland complex down-gradient towards the river (Figure 2). Photos 1 and 2 show the downstream and upstream extents near the sampling location.

The pond is within Wetland EE and is located 175 feet north of the HTDF. It appeared to be one of the larger surface water areas in upper portion of the Wetland EE complex (Figure 2). The surface area of the pond is approximately 1.8 acres. Photos 3 and 4 show two pond views.

METHODS

The stream was sampled according to the Michigan Department of Environmental Quality's Surface Water Quality Division Great Lakes and Environmental Assessment Section (GLEAS) *Procedure #51 Survey Protocols for Wadable Rivers* (MDEQ, 2002) to characterize the quality of the stream. The GLEAS Procedure 51 (P-51) is a rapid bioassessment protocol that is used to evaluate stream quality based on fish, macroinvertebrates, and stream habitat characteristics.

Because the P-51 approach is intended for wadable streams and rivers, this approach was not used to sample the pond. However, the pond was sampled to characterize the fish community and to provide a general characterization of the surface water aquatic habitat. The stream and pond were both sampled using a combination of aquatic sampling gear, including a backpack shocker and D-framed kick-nets.

Fish Community

Fish were collected using a Smith-Root LR-24[®] backpack electroshocker. In the stream, a single pass was conducted in an upstream direction and the duration of electroshocking charge time was recorded. In the pond habitat, one pass was conducted along a representative portion of the pond shoreline. Stunned fish were placed in a live well for identification and enumeration. Following collection and fish identification, the enumerated fish were released in the vicinity of their capture.

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The stream fish data were analyzed according to P-51 metrics to produce a “fish score,” that score could be used to rate the fish community as poor, neutral (acceptable), or excellent quality. There are ten metrics used to evaluate fish community diversity. The score for each metric can range from -1 to +1 and are described as follows:

- -1 indicates the community is performing outside of (minus) two standard deviations from the average conditions found at excellent sites;
- 0 indicates the community is performing between the average condition and (minus) two standard deviations from the average condition found at excellent sites, and;
- +1 indicates the community is performing better than the average condition found at excellent sites.

The criteria for classifying a site as excellent, neutral, or poor were predetermined and are listed in the P-51 methodology (Creel et al., 1998). The summation of the fish scores can range from -10 to +10 using these metrics. Streams that score from +5 to +10 are considered excellent. Streams that score from -5 to -10 are considered poor, while streams that score from -5 to +5 (including zero) are considered acceptable in fish community diversity (Creel et al., 1998).

As part of the enumeration process, the species, length, weight, and number of fish captured were recorded. One representative of each species that was not identifiable in the field was placed in a voucher jar containing 10% formalin for later identification. Each voucher jar was labeled according to the sample location and date. Fish were identified to species using various taxonomic references (Eddy and Underhill, 1978; Becker, 1983; Page and Burr, 1991; Pflieger, 1997; Coon, 2001). The Michigan County Element List (MNFI, 2007) was reviewed to determine if any threatened, endangered, or special concern aquatic species were present.

Aquatic Macroinvertebrate Community

Aquatic macroinvertebrate sampling was conducted within each location using a D-framed kick-net. The stream and pond habitat were each sampled for 45 minutes using two kick-nets (total sample time = 1.5 hours) in all habitat types within each location.

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Collected specimens were stored in 500 ml plastic wide-mouth jars containing 70% ethanol, and were identified using various taxonomic references (Merritt et al., 2008; Bright, 2007; McCafferty, 1998; Cummings and Mayer, 1992; Pennak, 1990; Peckarsky et al., 1990).

Stream Habitat Evaluation

The stream habitat was qualitatively described based on stream morphology, including run/riffle/pool/shallow pool configurations, substrate, substrate embeddedness, instream cover, vegetation, flow stability, and bank stability. Stream habitat was rated as excellent, good, marginal, or poor based on P-51 scores interpreted from 10 habitat metrics. Stream habitat was rated according to the following P-51 habitat scores (MDEQ, 2002):

Habitat Characterization	Total Point Score
1. Excellent	> 154
2. Good	105 – 154
3. Marginal	56 – 104
4. Poor	< 56

Photographs were taken at each sample location to illustrate the conditions during the sampling period. Water temperature, pH, dissolved oxygen, and conductivity were measured within the stream and pond as part of the aquatic habitat evaluation. For comparative purposes, water quality was measured from the shoreline of the north end of the HTDF. These water quality parameters were measured using a Yellow Springs Instrument Model YSI 556 water quality meter.

RESULTS AND DISCUSSION

Fish Community

A total of 45 fish and five different taxa were collected on October 12, 2007 from the wetland complex (Table 1). Central mudminnows (*Umbra limi*) were the most frequently collected fish from the stream and pond, and the majority of fish were collected from the pond. No threatened, endangered, or special concern fish species were collected within the wetland complex.

The stream sampled for this survey is located in a region that is classified as a Northern Lakes and Forests ecoregion (Creel et al., 1998), and the P-51 scoring was based on

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metrics that relied on typical data from this ecoregion. If fewer than 50 fish are collected from a warmwater or coolwater stream that is evaluated using P-51, then the site is considered “poor” quality with respect to fish (MDEQ, 2002). Since only three fish were collected from the stream, the stream is considered “poor” quality for fish community.

Aquatic Macroinvertebrate Community

Aquatic macroinvertebrate sampling was conducted on October 12, 2007 within each location. A total of 37 macroinvertebrates were collected from the stream and a total of 184 macroinvertebrates were collected from the pond (Table 2). Sow bugs (Isopoda) and caddisflies (Trichoptera) were the most frequently observed macroinvertebrates in the stream, and mayflies (Ephemeroptera) and dragonflies (Odonata) were the most frequently observed macroinvertebrates in the pond (Table 2).

The stream macroinvertebrate community was rated as “acceptable” according to the P-51 methodology (Table 3). No threatened, endangered, or special concern macroinvertebrates were observed in the stream or pond.

The total number of macroinvertebrates that were collected from the stream were low based on the amount of time spent sampling the stream and compared to other streams of similar size sampled by AEM personnel in Marquette County. The relatively low numbers of macroinvertebrates within the stream may be inherent to this system, may be attributed to seasonal fluctuations, or possibly low water conditions that may have occurred from drought conditions within Marquette County. Although stream flow has not been monitored in the reach investigated for this report, monthly total precipitation in Marquette County was well below normal in six of nine months from January through September 2007 (National Weather Service, 2007). In addition, the project vicinity had been experiencing dryer-than-normal conditions for as many as seven months prior to January 2007. September 2007 was marked by above normal precipitation, which resulted in drought relief according to the National Weather Service (2007).

Aquatic Habitat

The stream appeared to be a small drain with a dredge spoil pile evident along the east side of the stream. The average stream width was 5.4 feet (standard deviation, $s = 0.8$ feet; number of observations, $n = 3$) and the average depth was 0.6 feet ($s = 0.2$; $n = 6$). The streambanks were well vegetated with speckled alder overhanging the stream

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channel, and the predominant herbaceous component was reed canarygrass (*Phalaris arundinacea*, Photos 1 and 2). The substrate of the stream was predominantly comprised of sand, silt, and organic matter.

According to the P-51 protocol, stream habitat was evaluated as a “glide/pool” habitat and was rated as “good” based on the total habitat metric score (Table 4). Dissolved oxygen level within the stream was 8.4 mg O₂/L and the conductivity was 285 microSiemens per cm (µS/cm, Table 5). The pH within the stream was 5.7 and the water temperature was 5.3 °C. Among sampling locations, both pH and water temperature were lowest in the stream (Table 5).

Most of the pond was surrounded by a dense stand of cattails (Photo 3). Submerged vegetation within the pond was predominantly musk grass (*Chara* sp.), with some red algae observed during the survey. Sparse woody debris was present along the shoreline and within the pond (Photo 4).

The dissolved oxygen within the pond was 7.8 mg O₂/L and the conductivity was 365 µS/cm (Table 5). The conductivity within the north end of the HTDF, which was only 175 feet south of the pond, was 440 µS/cm on October 12, 2007. There appeared to be a gradient of increasing conductivity from the stream through the wetland complex up to the HTDF. The conductivity within the wetland complex and the HTDF are higher than values that have been measured by AEM in other sample locations around the Humboldt Mill (AEM, 2007a).

Table 1. List of fish collected from wetland complex during October, 2007.

Scientific Name	Common Name	Location	Number Collected
<i>Culaea inconstans</i>	brook stickleback	Pond	1
<i>Lepomis macrochirus</i>	bluegill	Pond	4
<i>Notropis atherinoides</i>	emerald shiner	Pond	2
<i>Umbra limi</i>	central mudminnow	Pond	35
<i>Semotilus atromaculatus</i>	creek chub	Stream	1
<i>Umbra limi</i>	central mudminnow	Stream	2
Total Collected			45

Table 2. List of macroinvertebrates collected from the Wetland EE Complex during October, 2007.

Order	Family	Stream		Life Stage	Total Collected
		Genus	Species		
Annelida	Glossiophoniidae			N/A	1
Coleoptera	Dytiscidae	<i>Agabus</i>	sp.	Larvae	2
Diptera	Ceratopogonidae	<i>Monohelea</i>	sp.	Larvae	1
Diptera	Tipulidae	<i>Tipula</i>	sp.	Larvae	5
Isopoda	Asellidae			N/A	12
Lepidoptera	Crambidae			Larvae	2
Odonata	Cordulegasteridae	<i>Cordulegaster</i>	<i>maculata</i>	Nymph	1
Odonata	Corduliidae	<i>Somatochlora</i>	sp.	Nymph	1
Trichoptera	Limnephilidae	<i>Onocosmeocus</i>	sp.	Larvae	3
Trichoptera	Limnephilidae	<i>Platycentropus</i>	sp.	Larvae	9
Total					37
Order	Family	Pond		Life Stage	Total Collected
		Genus	Species		
Ephemeroptera	Siphlonuridae	<i>Siphlonurus</i>	sp.	Nymph	10
Ephemeroptera	Baetidae	<i>Callibaetis</i>	sp.	Nymph	16
Ephemeroptera	Caenidae	<i>Caenis</i>	sp.	Nymph	30
Odonata	Coenagrionidae	<i>Enallagma</i>	sp.	Nymph	17
Odonata	Libellulidae	<i>Tramea</i>	sp.	Nymph	1
Odonata	Libellulidae	<i>Pachydiplax</i>	sp.	Nymph	4
Odonata	Libellulidae	<i>Leucorrhina</i>	sp.	Nymph	16
Odonata	Aeshnidae	<i>Aeshna</i>	sp.	Nymph	9
Trichoptera	Limnephilidae	<i>Nemotaulus</i>	<i>hostilis</i>	Larvae	1
Trichoptera	Psycomyiidae			Larvae	1
Coleoptera	Hydrophilidae	<i>Tropisternus</i>	sp.	Adult	2
Coleoptera	Dytiscidae	<i>Agabus</i>	sp.	Larvae	2
Hemiptera	Corixidae	<i>Arctocoris</i>	sp.	Adult	5
Hemiptera	Corixidae	<i>Callicorixa</i>	sp.	Adult	17
Hemiptera	Notonectidae	<i>Notonecta</i>	<i>lunata</i>	Adult	12
Hemiptera	Nepidae	<i>Ranatra</i>	sp.	Adult	2
Amphipoda	Hyalellidae	<i>Hyalella</i>	sp.	N/A	4
Diptera	Chironomidae			Larvae	18
Diptera	Tipulidae	<i>Tipula</i>	sp.	Larvae	1
Diptera	Ceratopogonidae			Larvae	1
Oligochaeta	Naididae			N/A	3
Gastropoda	Planorbidae			N/A	10
Gastropoda	Physidae			N/A	1
Pelecypoda	Uneonidae	<i>Pisidium</i>	sp.	N/A	1
Total					184

Table 3. Procedure 51 macroinvertebrate score and community rating for the stream sampled by AEM during October 2007.

METRIC	Value	Score
TOTAL NUMBER OF TAXA	9	0
NUMBER OF MAYFLY TAXA	0	0
NUMBER OF CADDISFLY TAXA	1	-1
NUMBER OF STONEFLY TAXA	0	-1
PERCENT MAYFLY COMPOSITION	0.00	-1
PERCENT CADDISFLY COMPOSITION	32.43	1
PERCENT CONTROLLING DOMINANT TAXON	32.43	-1
PERCENT ISOPOD, SNAIL, LEECH	32.43	-1
PERCENT SURFACE AIR BREATHERS	8.11	0
TOTAL SCORE		-4
MACROINVERTEBRATE COMMUNITY RATING		ACCEPTABLE

Table 4. Procedure 51 habitat score and rating for the stream sampled by AEM during October 2007.

Habitat Metric	Station 5 glide/pool
Substrate and Instream Cover	
Epifaunal Substrate/Available Cover	13
Pool Substrate Characterization	13
Pool Variability	6
Sediment Deposition	14
Channel Morphology	
Maintained Flow Volume	7
Flashiness	9
Channel Alteration	9
Channel Sinuosity	5
Riparian and Bank Structure	
Bank Stability (L)	9
Bank Stability (R)	9
Vegetative Protection (L)	10
Vegetative Protection (R)	10
Riparian Vegetation Zone Width (L)	8
Riparian Vegetation Zone Width (L)	9
Total Score	131
Habitat Rating	Good

Table 5. Water quality parameters sampled near the Humboldt Mill by AEM during October 2007.

Location	Date	Time	Temp (°C)	pH	Conductivity (µS/cm)	Dissolved Oxygen (mg O ₂ /L)	%DO
Stream	10/12/2007	9:22	5.3	5.74	285	8.4	66.3
Pond	10/12/2007	10:47	7.4	8.26	365	7.8	64.8
HTDF	10/12/2007	10:44	13.4	8.34	440	9.5	91.9

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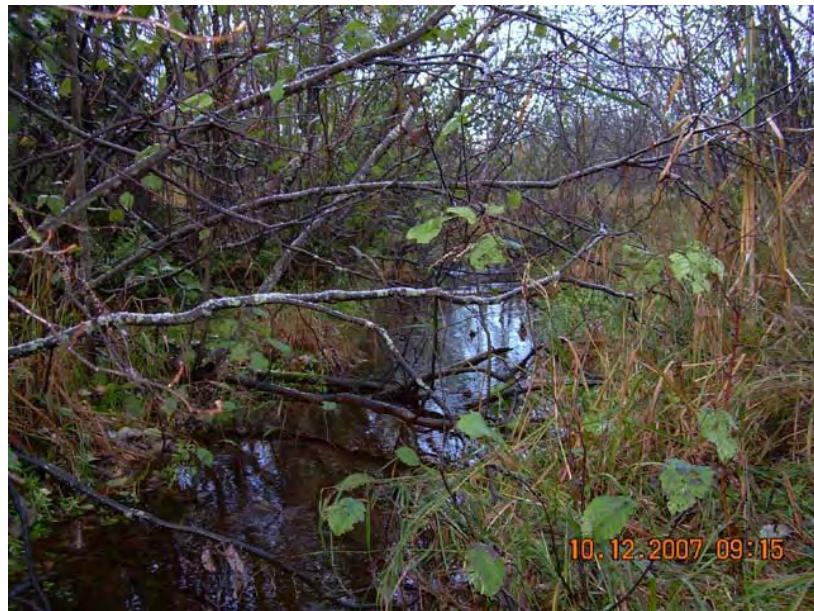


Photo 1. Downstream extent of stream. View to the south looking upstream. Photograph collected by AEM on 12 October 2007.



Photo 2. Upstream extent of stream. View to the north looking downstream. Photograph collected by AEM on 12 October 2007.



Photo 3. Pond that was sampled by AEM on 12 October 2007. View to the northeast. Photograph collected by AEM.



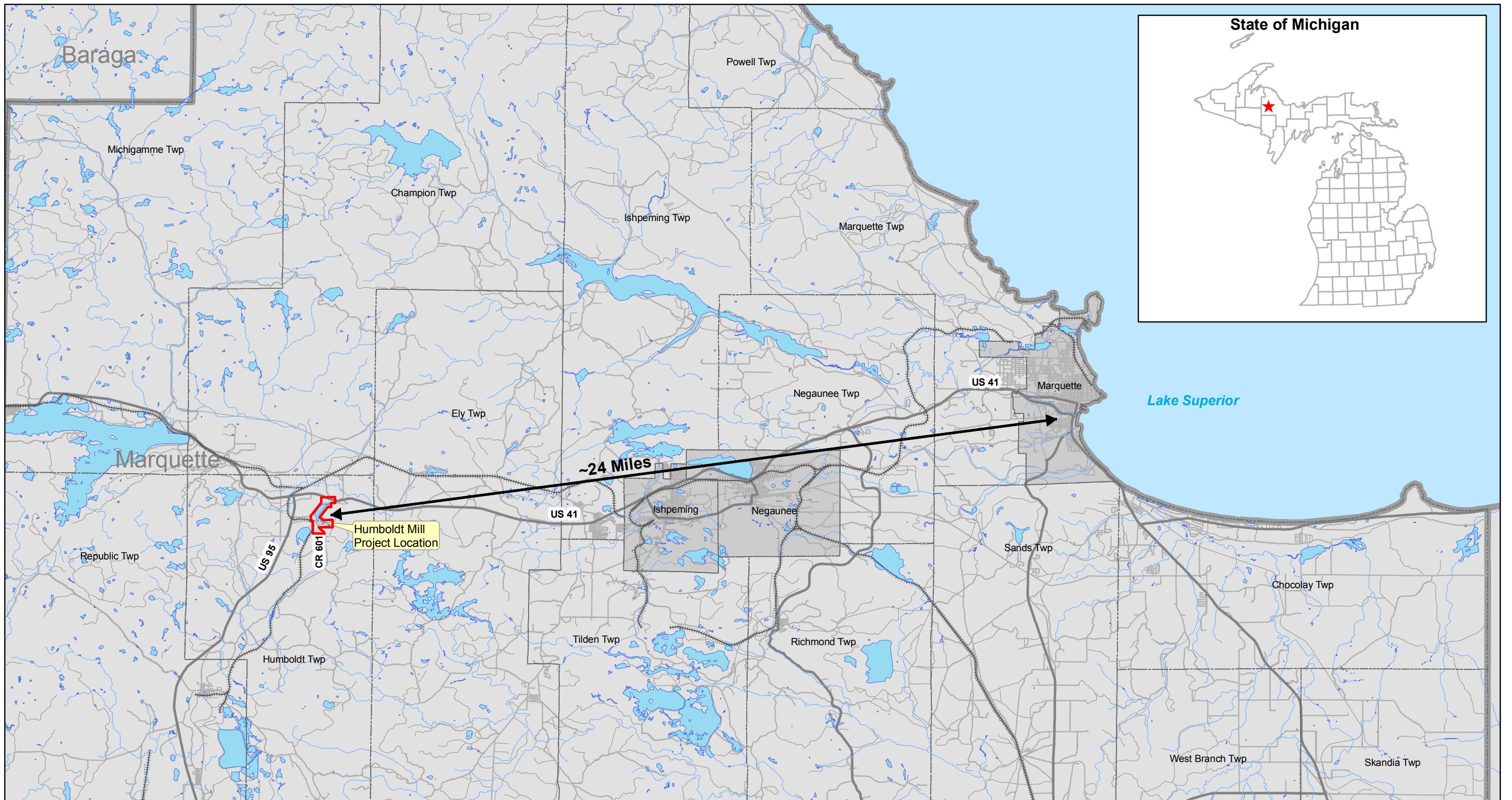
Photo 4. Pond that was sampled by AEM on 12 October 2007. View to the north. Photograph collected by AEM 11 October 2007.

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NOTES

1. Horizontal datum based on NAD 83/94.
Horizontal coordinates based on UTM Zone 16.
 2. All base information downloaded from Michigan Center of
Geographic Information (<http://www.michigan.gov/cgi>).
 3. Site Location - Project Site within Sections 2 and 11, T47N, R29W,
Humboldt Township, Marquette County, Michigan.

LEGEND

-  Counties
 -  Minor Civil Divisions
 -  Lakes and Rivers
 -  KEMC Project Location

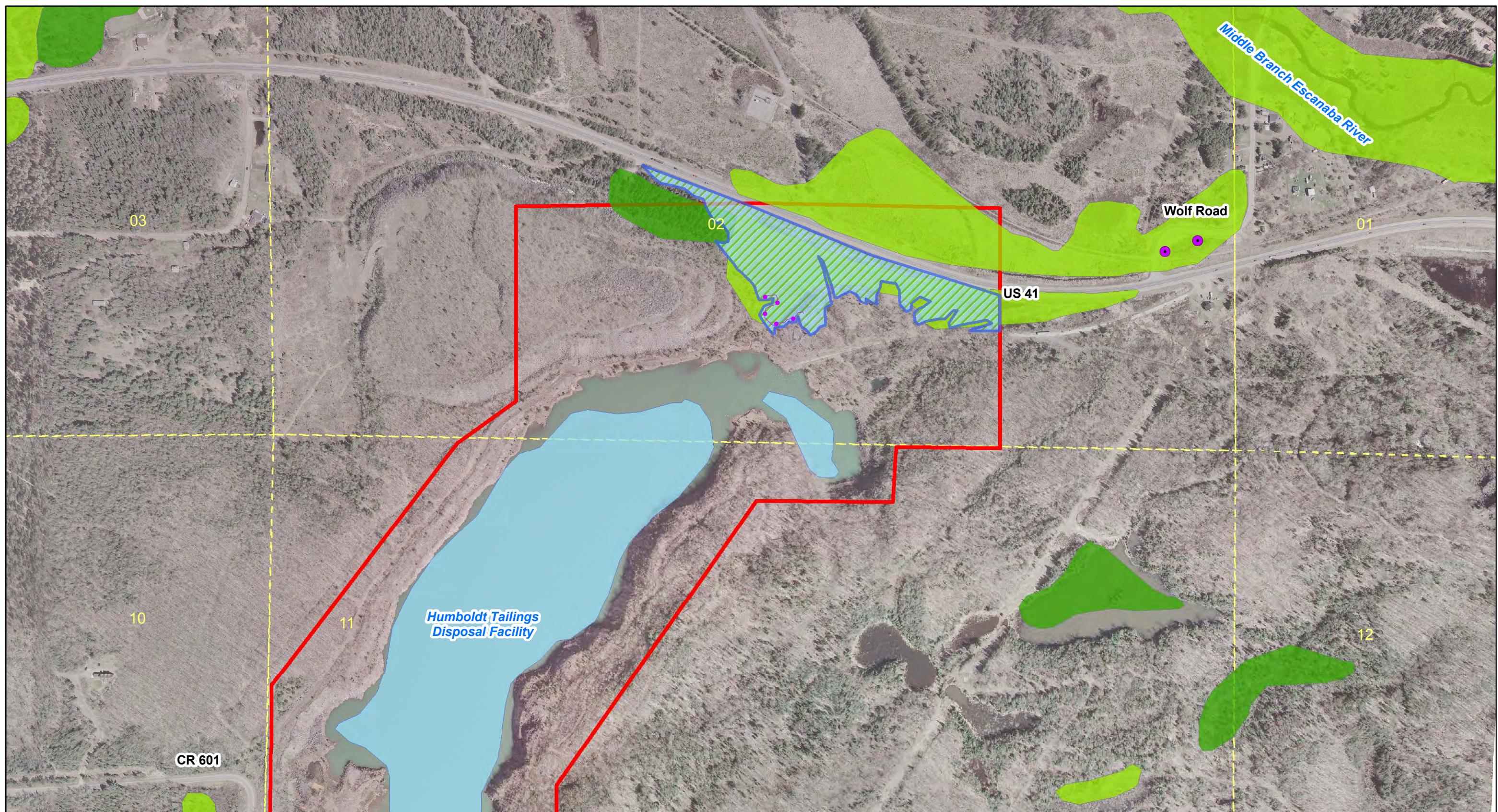


Foth Infrastructure & Environment, LLC			
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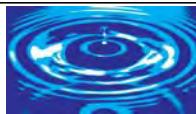


FIGURE 1 HUMBOLDT MILL PROJECT PROJECT LOCATION

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C-4
Humboldt Tailings Disposal Facility
Aquatic Survey Report



To: Andrea Martin, Foth Infrastructure & Environment
Steve Donohue, Foth Infrastructure & Environment

Date: October 30, 2007

Memo: Aquatic Survey of the Humboldt Tailings Disposal Facility

INTRODUCTION

AEM conducted an environmental baseline aquatic survey in June, 2007 at the Humboldt Mill Tailings Disposal Facility (HTDF) for Kennecott Eagle Minerals Company under contract to Foth Infrastructure & Environment, LLC. Fish and aquatic macroinvertebrate communities were investigated. This work complements the survey performed in 2006 on the Humboldt Mill site in general as documented in the Humboldt Mill Aquatic Survey Report 2006 (AEM, 2007). The project is located approximately 24 miles west of Marquette Michigan as shown on Figure 1-1. The HTDF is a water-filled iron ore pit containing tailings that exists directly north of the existing mill facility.

The HTDF was excavated as a mine beginning in 1954. The Humboldt Mine extracted iron ore until 1968 when mining activity ceased and the pit was allowed to fill with water. After milling operations in the adjacent mill ceased in 1968 with the mine closure, milling resumed in 1984 with ore from the nearby Ropes Gold Mine. Tailings from that process were placed in the excavated pit which then became a tailings disposal facility.

The HTDF is approximately 3,400 feet long and 950 feet wide. The bathymetry of the water body is characterized by very steep slopes, (Figure 1-2). Shallow littoral areas of approximately 15 feet deep or less are predominantly limited to the northern and southern extents of the HTDF (Figure 1-2). Exposed bedrock characterizes most of the shoreline. Aquatic vegetation is scarce throughout the HTDF and is confined to shallow areas located in the north and south areas.

METHODS

Fish were collected using a combination of sampling gear including a boom shocker, experimental gill nets, and hoop nets from June 4 to June 5, 2007. The gear and sample locations within the HTDF were selected based on accessibility, to provide a broad sampling coverage of aquatic habitat, and to minimize the bias created by gear selectivity and avoidance by fish.

A boat-mounted shocking unit and generator (boom shocker) were used to collect fish in shallow water and near-shore areas of the HTDF (Figure 1-3). Pulsed direct current was used during the survey to minimize trauma to the fish. Electrostroshocking duration was automatically recorded as the total seconds of electricity that was discharged from the boom shocker in each transect. Boom shocking was conducted at night, which is more effective than shocking during daylight hours (Smith-Root, 2004).

Multiple panel gill nets of varying mesh size (experimental gill net) were fished in several locations throughout the HTDF (Figure 1-3). Each experimental monofilament gill net consisted of five 6-foot by 25-foot panels ranging from 1.5- to 6-inch stretch mesh, and was set overnight and fished for approximately 12 hours.

Hoop nets were placed in two locations where the slope of the substrate was suitable to permit the placement of the nets (Figure 1-3). Hoop nets were constructed of two-inch stretch mesh and the hoop diameter measured four feet with a 50-foot long center lead, and two 6-foot by 25-foot wing leads. The hoop nets were fished overnight for approximately 12 hours.

As part of the enumeration process, the species, length, weight, and number of fish captured were recorded. One representative of each species that was not identifiable in the field was placed in a voucher jar containing 10% formalin for later identification. Each voucher jar was labeled according to the sample location and date. Fish were identified to species using various taxonomic references (Eddy and Underhill, 1978; Becker, 1983; Page and Burr, 1991; Coon, 2001; and Pflieger, 1997). The Michigan County Element List (MNFI, 2007) was reviewed to determine if any threatened, endangered, or special concern aquatic species occurred within the HTDF.

Aquatic macroinvertebrate sampling was conducted along the shoreline of the HTDF using a D-frame kick-net, and a PONAR sediment-grabbing device from five locations

(Figure 1-3). Collected specimens were stored in 500 ml plastic wide-mouth jars containing 70% ethanol, and were identified using various taxonomic references (Merritt and Cummins, 2008; McCafferty, 1998; Pennak, 1990; Peckarsky et al., 1990; Cummings and Mayer, 1992).

RESULTS

A total of 302 fish and six different taxa were collected from the HTDF (Table 1). Common shiners (*Luxilus cornutus*) and white suckers (*Catostomus commersonii*) were the most frequently collected fish, and were typically collected from rock piles and from jagged bedrock regions along the shoreline. Northern pike (*Esox lucius*) were predominantly captured within the gill nets and one pike was collected during electroshocking.

Table 1. List of fish collected from HTDF during June, 2007.

Scientific Name	Common Name	Number Collected	Sample Gear
<i>Catostomus commersonii</i>	white sucker	107	boom shocker
<i>Esox lucius</i>	northern pike	1	boom shocker
<i>Esox lucius</i>	northern pike	7	gill net
<i>Luxilus cornutus</i>	common shiner	125	boom shocker
<i>Pimephales promelas</i>	fathead minnow	55	boom shocker
<i>Phoxinus eos</i>	northern redbelly dace	1	boom shocker
<i>Semotilus atromaculatus</i>	creek chub	6	boom shocker
Total Collected		302	

The average length of northern pike was 28.9 inches (standard deviation, $s = 1.3$ inches, sample size, $n = 8$) and the average weight was 5.7 pounds ($s = 0.5$ pounds, $n = 8$). The white suckers that were collected were small in size and ranged from 1.6 to 7.4 inches in length (Chart 1). The average length of the white suckers was 4.4 inches ($s = 0.8$ inches, $n = 107$) and the average weight was 0.6 ounces ($s = 0.4$ ounces, $n = 107$).

HTDF White Sucker Length Frequency 2007

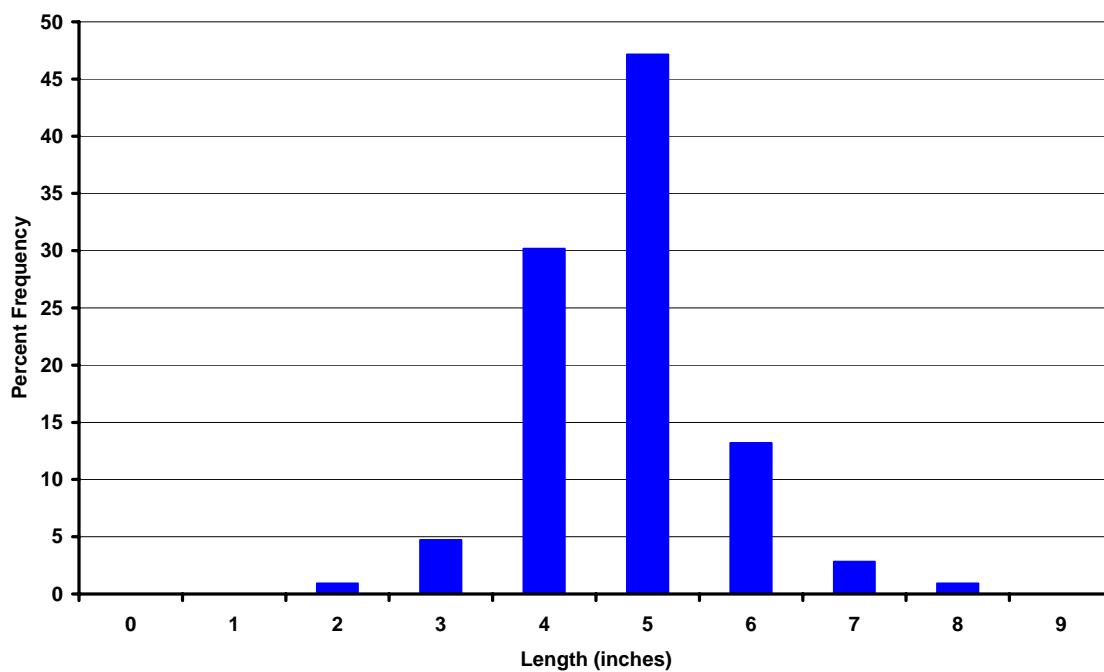


Chart 1. Length frequency distribution of white suckers (*Catostomus commersonii*) within HTDF during June 2007.

The fish community within the HTDF was predominantly comprised of minnow species and small white suckers, with the presence of large piscivorous northern pike that are likely to make use of these minnow species and white suckers as forage. No threatened, endangered, or special concern fish species were collected within the HTDF. The lack of habitat diversity, such as a well developed littoral component of submerged and emergent vegetation and woody debris may account for the lack of diversity of fish sizes and species.

Aquatic macroinvertebrate sampling was conducted on June 6, 2007 within the HTDF. All macroinvertebrates were collected using the PONAR sediment grabbing device and none were collected along the shoreline in the D-framed dip nets. A total of 10 macroinvertebrates were collected. Midge larvae (Chironomidae) were the most frequently collected macroinvertebrate (Table 2). One dragonfly comprised the only other Order observed among the HTDF macroinvertebrates.

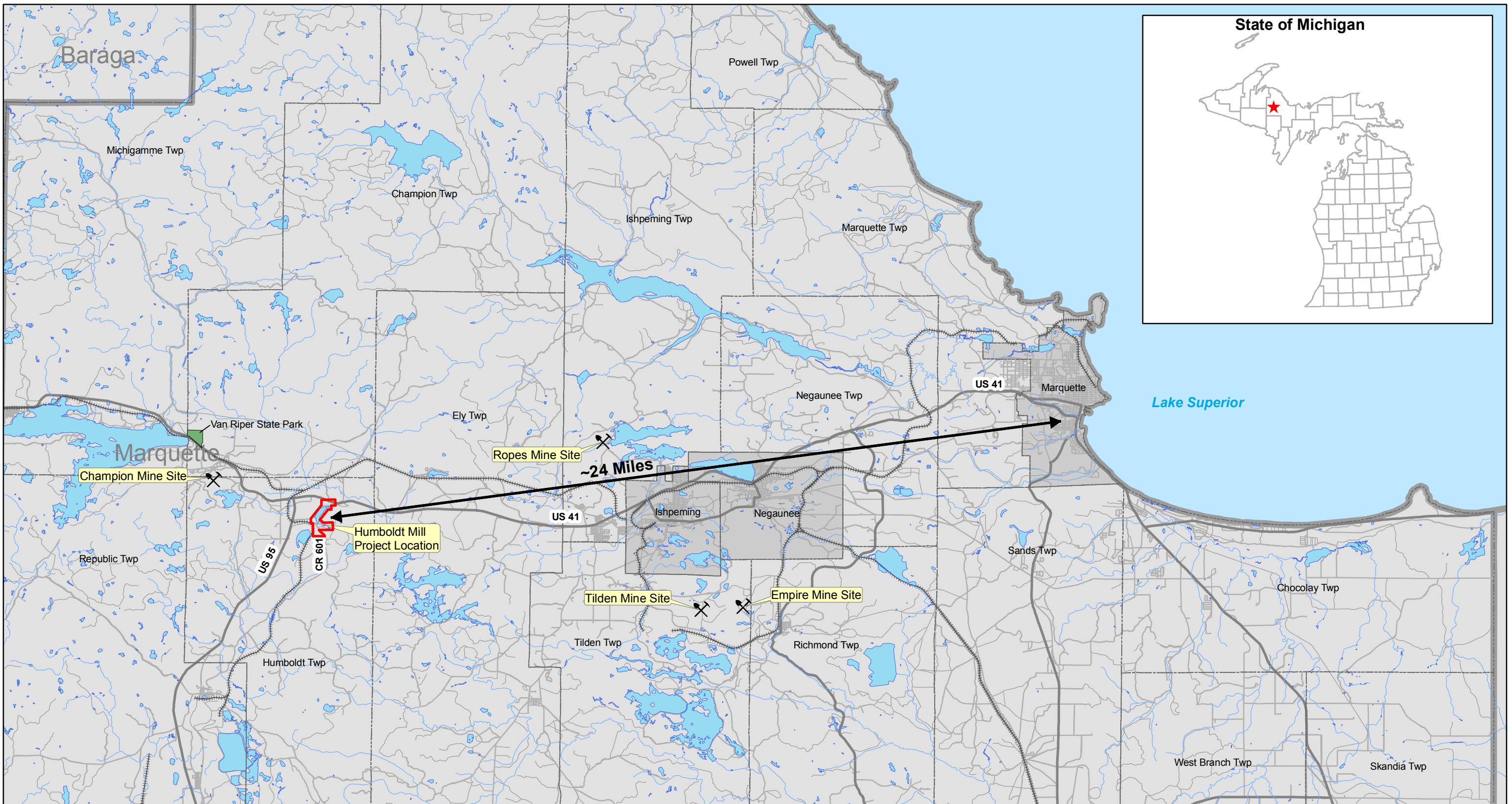
The bedrock-dominated habitat in the littoral area of the HTDF and lack of habitat diversity, including few aquatic macrophytes, do not provide suitable conditions for the development of an abundant and diverse aquatic macroinvertebrate community within the HTDF. Low primary productivity, which is often associated with a bedrock-dominated aquatic system, may also contribute to low abundance and diversity by limiting the available food supply to macroinvertebrates.

Table 2. List of macroinvertebrates collected from the Humboldt Tailings Disposal Facility on June 6, 2007

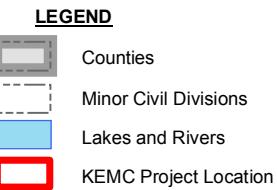
Order	Family	Genus	Species	Number of taxa
Diptera	Chironomidae			5
Diptera	Chironomidae	<i>Ablabesmyia</i>		1
Diptera	Chironomidae	<i>Microtendipes</i>		3
Odonata	Gomphidae	<i>Dromogomphus spinosus</i>		1
Total Number of Taxa				10

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NOTES

1. Horizontal datum based on NAD 83/94.
Horizontal coordinates based on UTM Zone 16.
2. All base information downloaded from Michigan Center of Geographic Information (<http://www.michigan.gov/cgi>).
3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Humboldt Township, Marquette County, Michigan.



Highways
Major Roads
Minor Roads
Railroads



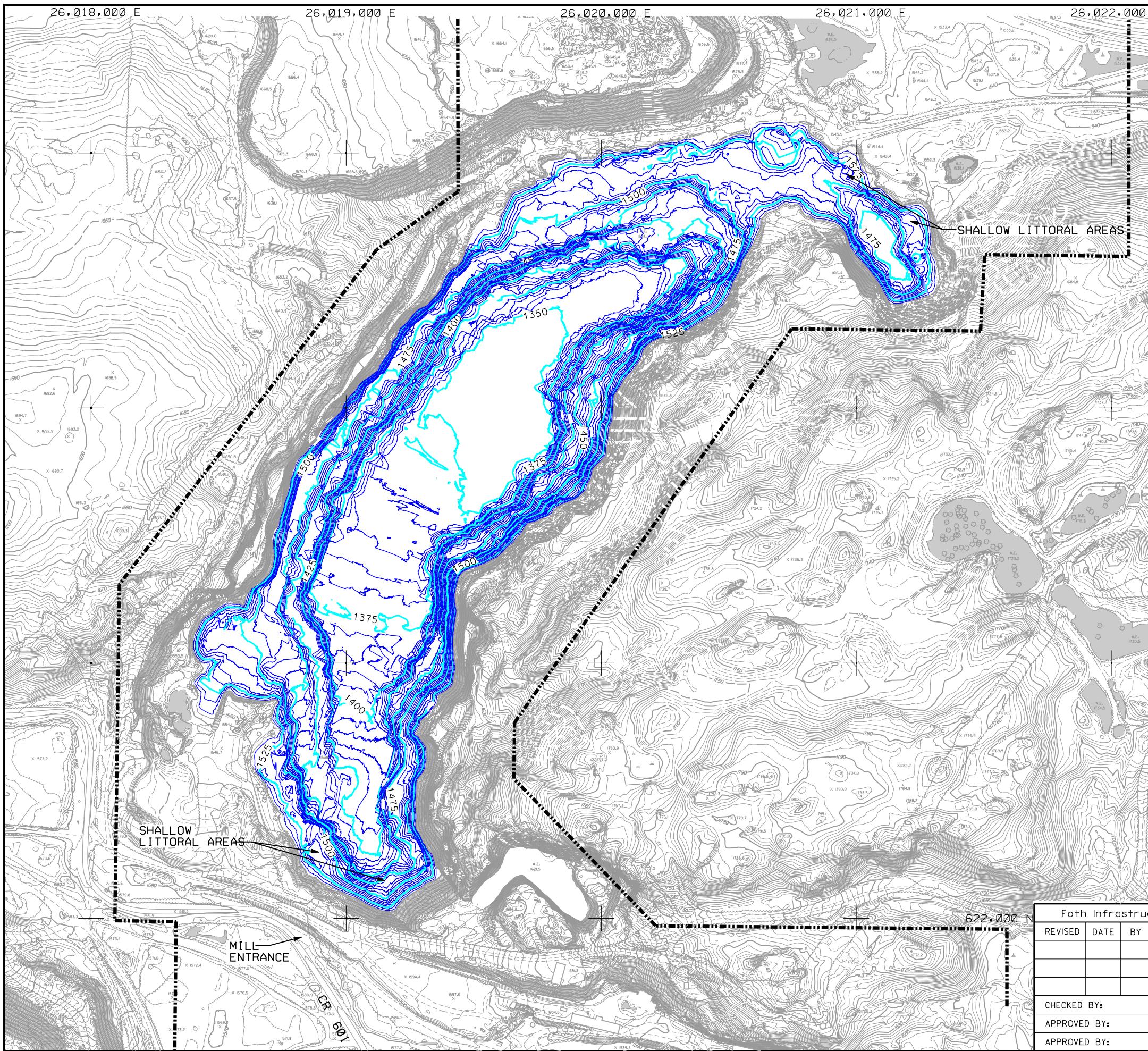
REVISED	DATE	BY	DESCRIPTION

CHECKED BY: AKM DATE: OCT. '07
APPROVED BY: SVD1 DATE: OCT. '07
APPROVED BY: DATE:



FIGURE 1-1
HUMBOLDT MILL PROJECT
PROJECT LOCATION

Scale: 0 1.5 3 Miles Date: OCTOBER 2007
Prepared by: DAT Project No: 06W003



LEGEND

- 1570 EXISTING ELEV. CONTOUR IN FEET
- X 1705.3 SPOT ELEVATION
- ◊ TREE
- ~~~~~ TREE LINE
- BUILDING
- TRAIL
- PAVED ROAD
- - - UNPAVED ROAD
- STREAM/LAKE
- SURFACE WATER
- KEMC PROJECT LOCATION
- 1500 LAKE ELEVATION CONTOUR

NOTES:

1. TOPOGRAPHIC AND PLANIMETRIC DATA SUPPLIED BY AERO-METRIC ENGINEERING, SHEBOYGAN, WISCONSIN. DATE OF PHOTOGRAPHY: APRIL 27, 2006.
2. CONTOUR INTERVAL BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. HORIZONTAL DATUM BASED ON NAD 83/96. HORIZONTAL COORDINATES BASED ON MICHIGAN STATE PLANE.
3. KEMC PROJECT LOCATION WITHIN SECTIONS 2 AND 11 T47N, R29W, HUMBOLDT TOWNSHIP, MARQUETTE COUNTY, MICHIGAN.
4. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 2 FOOT.
5. BATHYMETRIC CONTOURS ARE FROM FOTH SURVEY DATED MAY 3 & 4, 2007. CONTOURS SHOWN ARE 5 FOOT INTERVAL.

Foth Infrastructure & Environment, LLC			
REVISED	DATE	BY	DESCRIPTION
CHECKED BY:	AKM	DATE:	OCT. '07
APPROVED BY:	SVD1	DATE:	OCT. '07
APPROVED BY:		DATE:	

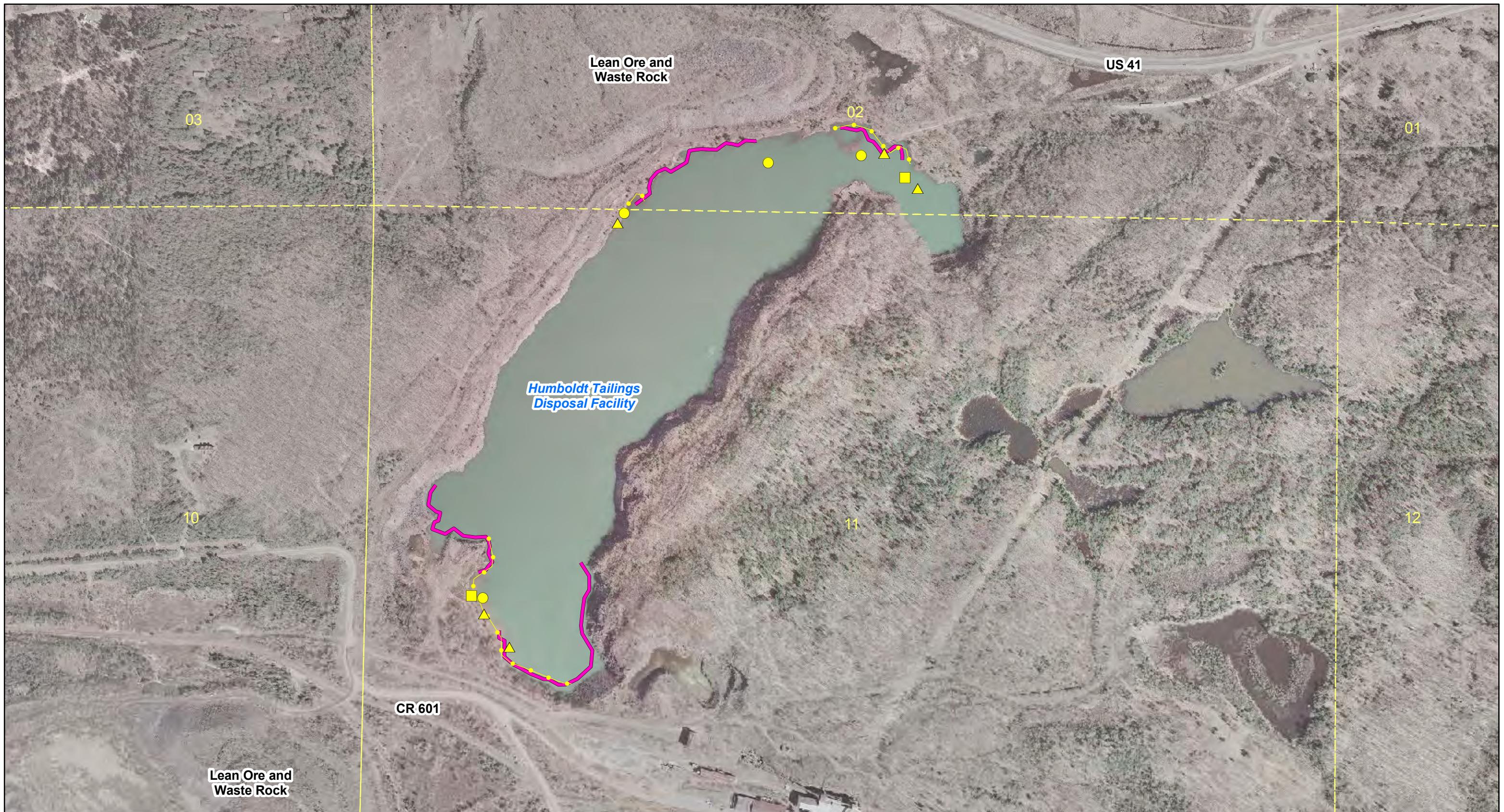


**Kenecott
Eagle Minerals**

FIGURE 1-2

HUMBOLDT PIT BATHYMETRIC SURVEY

Scale: 0 200' 400' Date: OCTOBER, 2007
Prepared By: JOW Project No. 06W003



NOTES

- Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
- Horizontal datum based on NAD 83/94.
- Horizontal coordinates based on UTM Zone 16.
- Site Location - Project Site within Sections 2 and 11, T47N, R29W, Humboldt Township, Marquette County, Michigan.

LEGEND

- PLSS Sections
- Hoop Net Locations
- Gill Net Locations
- Ponar Macro
- Pit Bug Transect
- Boom Shocker Transect



Foth Infrastructure & Environment, LLC

REVISED	DATE	BY	DESCRIPTION
CHECKED BY: AKM		DATE: OCT. '07	
APPROVED BY: SVD1		DATE: OCT. '07	
APPROVED BY:		DATE:	

KenneCott
Eagle Minerals

FIGURE 1-3
HUMBOLDT MILL PROJECT
HUMBOLDT TAILINGS DISPOSAL FACILITY
AQUATIC SURVEY LOCATIONS

Scale: 0 250 500 Feet

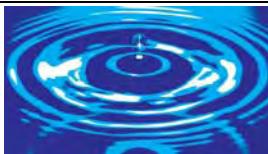
Date: OCTOBER 2007

Prepared by: DAT

Project No: 06W003

C-5

Humboldt Project – HTDF Summary of 2007 Fish Metals Data



Memo

Date: September 23, 2007
To: Andrea Martin, Foth Infrastructure and Environment
From: R. Douglas Workman, Ph.D.
RE: Humboldt Mill Project, Summary of 2007 Fish Contaminant Data Sampled from Lake Lory and the HTDF

Dear Andrea;

Per your request, attached is a summary of the contaminant data tested from fish collected from Lake Lory and the Humboldt Tailings Disposal Facility (HTDF) in June, 2007. Fish were collected by Advanced Ecological Management LLC fisheries personnel in both water bodies by means of a boat-mounted electroshocker. Ten fish of a species that was abundant in each waterbody (Lake Lory: bluegill (*Lepomis macrochirus*, data summarized in Table 1); HTDF: white suckers (*Catostomus commersonii* data summarized in Table 2)) were analyzed for a variety of metals. The metals data are summarized below by waterbody. A comparison between the two sets of samples appears in Table 3. The lab data is attached in Table 4 and includes all metal contaminants and lab data. The fish were tested whole at Pace Analytical Services, Inc., Green Bay, Wisconsin (Batch numbers 884529 and 884631). The laboratory report is provided in Attachment 1.

Lake Lory (Table 1)

Ten bluegill were collected from Lake Lory on June 4, 2007. Data are summarized in Table 1. Bluegill ranged in length from 171 mm to 230 mm (average length; $\bar{x} = 195.6$ mm; standard deviation; $s = 17.7$) and ranged in weight from 120.6 g to 327.8 g ($\bar{x} = 209.3$ mm; $s = 58.5$). Copper concentrations ranged from 0.24 mg/kg to 0.66 mg/kg ($\bar{x} = 0.36$ mg/kg; $s = 0.13$) and nickel concentrations ranged from 0.34 to 0.43 ($\bar{x} = 0.35$ mg/kg; $s = 0.03$). Mercury levels ranged from 0.058 mg/kg to 0.11 mg/kg ($\bar{x} = 0.11$ mg/kg; $s = 0.01$) and arsenic concentrations ranged from 0.027 mg/kg to 0.13 mg/kg ($\bar{x} = 0.1$ mg/kg; $s = 0.001$). See Table 1 for additional data on metals content.

HDTF (Table 2)

Ten white suckers were collected from the HDTF on June 5, 2007. White suckers ranged in length from 121 mm to 144 mm ($\bar{x} = 131.6$ mm; $s = 17.7$) and ranged in weight from 17.9 g to 35.1 g ($\bar{x} = 25.9$ mm; $s = 58.5$). Copper concentrations ranged from 0.54 mg/kg to 2.9 mg/kg ($\bar{x} = 1.33$ mg/kg; $s = 0.81$) and nickel concentrations ranged from 0.34 mg/kg to 3.6 mg/kg ($\bar{x} = 1.08$ mg/kg; $s = 1.02$). Mercury levels ranged from 0.0064 to 0.017 mg/kg ($\bar{x} = 0.01$ mg/kg; $s = 0.003$) and arsenic levels ranged from 0.061 and 0.83 mg/kg ($\bar{x} = 0.20$ mg/kg; $s = 0.01$). See Table 2 for additional data on metals.

Humboldt Mill Project
 Summary of 2007 Fish Contaminant Data

Table 1 Lake Lory Fish Sampled June, 2007 - Bluegills (<i>Lepomis macrochirus</i>)																
Parameter	CAS No	Units	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8	Sample 9	Sample 10	Maximum	Minimum	Average	std dev
Length	-	mm	194	189	172	204	190	230	212	202	192	171	230	171.0	195.6	17.7
Weight	-	g	198.4	202.2	143.5	241.6	174.1	327.8	253.4	220.2	211.1	120.6	327.8	120.6	209.3	58.5
Aluminum	7429-90-5	mg/Kg wet	17	15	1.2	9	1.3	56	2.4	3.7	1.5	0.85	56	0.850	10.8	17.0
Antimony	7440-36-0	mg/Kg wet	0.0085	0.016	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085	0.016	0.009	0.0093	0.002
Arsenic	7440-38-2	mg/Kg wet	0.093	0.12	0.045	0.13	0.054	0.08	0.054	0.027	0.13	0.052	0.13	0.027	0.079	0.038
Barium	7440-39-3	mg/Kg wet	0.91	0.68	0.46	0.74	0.55	0.68	1	0.35	0.75	0.42	1.0	0.350	0.654	0.211
Beryllium	7440-41-7	mg/Kg wet	0.008	0.01	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.01	0.007	0.0074	0.001
Boron	7440-42-8	mg/Kg wet	0.19	0.32	0.12	0.11	0.087	0.16	0.094	0.079	0.068	0.049	0.32	0.049	0.128	0.080
Cadmium	7440-43-9	mg/Kg wet	0.017	0.011	0.009	0.01	0.009	0.013	0.0081	0.0081	0.011	0.01	0.017	0.008	0.0106	0.003
Chromium	7440-47-3	mg/Kg wet	0.24	0.19	0.12	0.28	0.16	0.5	0.13	0.15	0.12	0.14	0.5	0.120	0.203	0.117
Cobalt	7440-48-4	mg/Kg wet	0.035	0.034	0.014	0.03	0.015	0.057	0.022	0.019	0.014	0.011	0.06	0.011	0.0251	0.014
Copper	7440-50-8	mg/Kg wet	0.66	0.33	0.29	0.35	0.27	0.52	0.36	0.29	0.33	0.24	0.66	0.240	0.364	0.129
Iron	7439-89-6	mg/Kg wet	95	93	55	86	47	140	65	47	70	35	140	35.0	73.3	31.2
Manganese	7439-96-5	mg/Kg wet	19	12	6.2	20	11	24	15	4.1	18	9.8	24	4.1	13.9	6.4
Mercury	7439-97-6	mg/Kg wet	0.086	0.085	0.064	0.083	0.083	0.064	0.11	0.073	0.058	0.083	0.11	0.058	0.079	0.015
Molybdenum	7439-98-7	mg/Kg wet	0.12	0.083	0.088	0.15	0.065	0.11	0.11	0.067	0.078	0.058	0.15	0.058	0.093	0.029
Nickel	7440-02-0	mg/Kg wet	0.34	0.34	0.34	0.34	0.34	0.43	0.34	0.34	0.34	0.34	0.43	0.340	0.349	0.028
Selenium	7782-49-2	mg/Kg wet	0.58	0.41	0.4	0.45	0.55	0.49	0.45	0.38	0.47	0.47	0.58	0.380	0.465	0.063
Silver	7440-22-4	mg/Kg wet	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	2.2E-10
Strontium	7440-24-6	mg/Kg wet	17	11	10	12	11	20	19	8.9	10	7.9	20	7.9	12.7	4.34
Zinc	7440-66-6	mg/Kg wet	19	14	16	14	15	17	19	16	15	13	19	13.0	15.8	2.04
Percent Solids	E-10151	% wet	26	24.2	25.5	22.8	23.7	25.8	21.4	24.8	24.5	23.8	26	21.4	24.3	1.42

Humboldt Mill Project
 Summary of 2007 Fish Contaminant Data

Table 2 HTDF Fish Sampled June, 2007 - White Suckers (*Catostomus commersonii*)

Parameter	CAS No	Units	Sample	Maximum	Minimum	Average	std dev								
			1	2	3	4	5	6	7	8	9	10			
Length	-	mm	127	136	144	128	132	128	134	121	142	124	144	121.0	131.6
Weight	-	g	22.7	27.5	35.1	26.1	31.3	23.5	22.9	17.9	28.4	23.5	35.1	17.9	25.9
Aluminum	7429-90-5	mg/Kg wet	0.88	0.92	14	46	0.99	0.95	0.83	0.66	1.2	0.93	46	0.660	6.7
Antimony	7440-36-0	mg/Kg wet	0.026	0.024	0.06	0.2	0.0085	0.058	0.011	0.0085	0.0085	0.028	0.2	0.009	0.0433
Arsenic	7440-38-2	mg/Kg wet	0.075	0.061	0.83	0.22	0.12	0.1	0.12	0.092	0.27	0.089	0.83	0.061	0.198
Barium	7440-39-3	mg/Kg wet	0.32	0.39	0.79	0.72	0.51	0.28	0.32	0.33	0.41	0.44	0.8	0.280	0.451
Beryllium	7440-41-7	mg/Kg wet	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.000
Boron	7440-42-8	mg/Kg wet	0.12	0.18	0.12	0.22	0.1	0.24	0.11	0.17	0.13	0.14	0.24	0.100	0.153
Cadmium	7440-43-9	mg/Kg wet	0.0081	0.012	0.0081	0.01	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.012	0.008	0.0087
Chromium	7440-47-3	mg/Kg wet	0.11	0.16	0.25	0.2	0.12	0.12	0.13	0.096	0.099	0.13	0.25	0.096	0.1415
Cobalt	7440-48-4	mg/Kg wet	0.069	0.066	0.16	0.27	0.052	0.16	0.042	0.041	0.064	0.096	0.27	0.041	0.102
Copper	7440-50-8	mg/Kg wet	0.89	1.2	2.7	2.9	0.93	1.4	0.54	0.85	0.75	1.1	2.9	0.540	1.326
Iron	7439-89-6	mg/Kg wet	50	44	450	230	32	40	39	46	80	56	450	32.0	106.7
Manganese	7439-96-5	mg/Kg wet	29	35	19	57	13	23	12	9.4	9.1	44	57	9.1	25.1
Mercury	7439-97-6	mg/Kg wet	0.013	0.012	0.011	0.013	0.0064	0.017	0.0068	0.012	0.016	0.0096	0.017	0.006	0.012
Molybdenum	7439-98-7	mg/Kg wet	0.057	0.044	0.14	0.15	0.041	0.091	0.041	0.19	0.043	0.076	0.19	0.041	0.087
Nickel	7440-02-0	mg/Kg wet	0.69	0.52	1.5	3.6	0.34	1.7	0.34	0.37	0.52	1.2	3.6	0.340	1.078
Selenium	7782-49-2	mg/Kg wet	0.54	0.58	0.62	0.53	0.5	0.53	0.37	0.48	0.46	0.56	0.62	0.370	0.517
Silver	7440-22-4	mg/Kg wet	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	2.2E-10
Strontium	7440-24-6	mg/Kg wet	8.5	11	4.7	9.1	6.3	8.8	8.1	14	9.7	11	14	4.7	9.1
Zinc	7440-66-6	mg/Kg wet	21	19	13	17	22	20	22	14	20	19	22	13.0	18.7
Percent Solids	E-10151	% wet	21.3	18.6	21.1	22.7	17.1	21.6	22.2	19.9	20.4	23.4	23.4	17.1	20.8

Humboldt Mill Project
Summary of 2007 Fish Contaminant Data

Table 3 Comparason of Averages Lake Lory Samples vs. HTDF Samples

Parameter	CAS No	Units	Lake Lory - Bluegills			HTDF - White Suckers		
			Maximum	Minimum	Average	Maximum	Minimum	Average
Length	-	mm	230	171	195.6	144	121	131.6
Weight	-	g	327.8	120.6	209.29	35.1	17.9	25.89
Aluminum	7429-90-5	mg/Kg wet	56	0.85	10.795	46	0.66	6.736
Antimony	7440-36-0	mg/Kg wet	0.016	0.0085	0.00925	0.2	0.0085	0.04325
Arsenic	7440-38-2	mg/Kg wet	0.13	0.027	0.0785	0.83	0.061	0.1977
Barium	7440-39-3	mg/Kg wet	1	0.35	0.654	0.79	0.28	0.451
Beryllium	7440-41-7	mg/Kg wet	0.01	0.007	0.0074	0.0070	0.0070	0.0070
Boron	7440-42-8	mg/Kg wet	0.32	0.049	0.1277	0.24	0.10	0.1530
Cadmium	7440-43-9	mg/Kg wet	0.0170	0.0081	0.0106	0.0120	0.0081	0.0087
Chromium	7440-47-3	mg/Kg wet	0.5	0.12	0.203	0.250	0.096	0.142
Cobalt	7440-48-4	mg/Kg wet	0.057	0.011	0.0251	0.27	0.041	0.102
Copper	7440-50-8	mg/Kg wet	0.66	0.24	0.364	2.9	0.54	1.326
Iron	7439-89-6	mg/Kg wet	140	35	73.3	450	32	106.7
Manganese	7439-96-5	mg/Kg wet	24	4.1	13.91	57	9.1	25.05
Mercury	7439-97-6	mg/Kg wet	0.110	0.058	0.079	0.017	0.006	0.012
Molybdenum	7439-98-7	mg/Kg wet	0.150	0.058	0.093	0.190	0.041	0.087
Nickel	7440-02-0	mg/Kg wet	0.43	0.34	0.349	3.6	0.34	1.078
Selenium	7782-49-2	mg/Kg wet	0.58	0.38	0.465	0.62	0.37	0.517
Silver	7440-22-4	mg/Kg wet	0.011	0.011	0.011	0.011	0.011	0.011
Strontium	7440-24-6	mg/Kg wet	20	7.9	12.68	14	4.7	9.12
Zinc	7440-66-6	mg/Kg wet	19	13	15.8	22	13	18.7
Percent Solids	E-10151	% wet	26	21.4	24.25	23.4	17.1	20.83

The higher average metal concentration between Lake Lory samples and HTDF samples have been highlighted in yellow.

Table 4. Humboldt Mill Project Summary of 2007 Fish Contaminants Data
Lab Analysis Data.

Lab Sample Number	Field ID	Parameter	Result	MDL	EQL	Units	Collection Date	Analysis Date
884529-001	#1 LAKE LORY	Aluminum	17	0.36	5.0	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Antimony	0.0085	0.0085	0.10	mg/Kg wet	06/04/07	06/27/07
884529-001	#1 LAKE LORY	Arsenic	0.093	0.013	0.10	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Barium	0.91	0.034	0.10	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Beryllium	0.0080	0.0070	0.10	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Boron	0.19	0.031	1.0	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Cadmium	0.017	0.0081	0.10	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Chromium	0.24	0.038	0.10	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Cobalt	0.035	0.0061	0.10	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Copper	0.66	0.13	1.0	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Iron	95	1.9	5.0	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Manganese	19	0.082	1.0	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Mercury	0.086	0.0024	0.010	mg/Kg wet	06/04/07	06/15/07
884529-001	#1 LAKE LORY	Molybdenum	0.12	0.016	1.0	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Nickel	0.34	0.34	1.0	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Selenium	0.58	0.045	0.10	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Silver	0.011	0.011	0.050	mg/Kg wet	06/04/07	06/27/07
884529-001	#1 LAKE LORY	Strontium	17	0.057	1.0	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Zinc	19	1.4	5.0	mg/Kg wet	06/04/07	06/21/07
884529-001	#1 LAKE LORY	Percent Solids	26.0			% wet	06/04/07	07/03/07
884529-002	#2 LAKE LORY	Aluminum	15	0.36	5.0	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Antimony	0.016	0.0085	0.10	mg/Kg wet	06/04/07	06/27/07
884529-002	#2 LAKE LORY	Arsenic	0.12	0.013	0.10	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Barium	0.68	0.034	0.10	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Beryllium	0.010	0.0070	0.10	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Boron	0.32	0.031	1.0	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Cadmium	0.011	0.0081	0.10	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Chromium	0.19	0.038	0.10	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Cobalt	0.034	0.0061	0.10	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Copper	0.33	0.13	1.0	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Iron	93	1.9	5.0	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Manganese	12	0.082	1.0	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Mercury	0.085	0.0024	0.010	mg/Kg wet	06/04/07	06/15/07
884529-002	#2 LAKE LORY	Molybdenum	0.083	0.016	1.0	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Nickel	0.34	0.34	1.0	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Selenium	0.41	0.045	0.10	mg/Kg wet	06/04/07	06/21/07
Lab Sample Number	Field ID	Parameter	Result	MDL	EQL	Units	Collection Date	Analysis Date

Table 4. Humboldt Mill Project Summary of 2007 Fish Contaminants Data
Lab Analysis Data.

Lab Sample Number	Field ID	Parameter	Result	MDL	EQL	Units	Collection Date	Analysis Date
884529-002	#2 LAKE LORY	Silver	0.011	0.011	0.050	mg/Kg wet	06/04/07	06/27/07
884529-002	#2 LAKE LORY	Strontium	11	0.057	1.0	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Zinc	14	1.4	5.0	mg/Kg wet	06/04/07	06/21/07
884529-002	#2 LAKE LORY	Percent Solids	24.2			% wet	06/04/07	07/03/07
884529-003	#3 LAKE LORY	Aluminum	1.2	0.36	5.0	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Antimony	0.0085	0.0085	0.10	mg/Kg wet	06/04/07	06/27/07
884529-003	#3 LAKE LORY	Arsenic	0.045	0.013	0.10	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Barium	0.46	0.034	0.10	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Boron	0.12	0.031	1.0	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Cadmium	0.0090	0.0081	0.10	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Chromium	0.12	0.038	0.10	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Cobalt	0.014	0.0061	0.10	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Copper	0.29	0.13	1.0	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Iron	55	1.9	5.0	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Manganese	6.2	0.082	1.0	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Mercury	0.064	0.0024	0.010	mg/Kg wet	06/04/07	06/15/07
884529-003	#3 LAKE LORY	Molybdenum	0.088	0.016	1.0	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Nickel	0.34	0.34	1.0	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Selenium	0.40	0.045	0.10	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Silver	0.011	0.011	0.050	mg/Kg wet	06/04/07	06/27/07
884529-003	#3 LAKE LORY	Strontium	10	0.057	1.0	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Zinc	16	1.4	5.0	mg/Kg wet	06/04/07	06/21/07
884529-003	#3 LAKE LORY	Percent Solids	25.5			% wet	06/04/07	07/03/07
884529-004	#4 LAKE LORY	Aluminum	9.0	0.36	5.0	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Antimony	0.0085	0.0085	0.10	mg/Kg wet	06/04/07	06/27/07
884529-004	#4 LAKE LORY	Arsenic	0.13	0.013	0.10	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Barium	0.74	0.034	0.10	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Boron	0.11	0.031	1.0	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Cadmium	0.010	0.0081	0.10	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Chromium	0.28	0.038	0.10	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Cobalt	0.030	0.0061	0.10	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Copper	0.35	0.13	1.0	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Iron	86	1.9	5.0	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Manganese	20	0.082	1.0	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Mercury	0.083	0.0024	0.010	mg/Kg wet	06/04/07	06/15/07

Table 4. Humboldt Mill Project Summary of 2007 Fish Contaminants Data
Lab Analysis Data.

Lab Sample Number	Field ID	Parameter	Result	MDL	EQL	Units	Collection Date	Analysis Date
884529-004	#4 LAKE LORY	Molybdenum	0.15	0.016	1.0	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Nickel	0.34	0.34	1.0	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Selenium	0.45	0.045	0.10	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Silver	0.011	0.011	0.050	mg/Kg wet	06/04/07	06/27/07
884529-004	#4 LAKE LORY	Strontium	12	0.057	1.0	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Zinc	14	1.4	5.0	mg/Kg wet	06/04/07	06/21/07
884529-004	#4 LAKE LORY	Percent Solids	22.8			% wet	06/04/07	07/03/07
884529-005	#5 LAKE LORY	Aluminum	1.3	0.36	5.0	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Antimony	0.0085	0.0085	0.10	mg/Kg wet	06/04/07	06/27/07
884529-005	#5 LAKE LORY	Arsenic	0.054	0.013	0.10	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Barium	0.55	0.034	0.10	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Boron	0.087	0.031	1.0	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Cadmium	0.0090	0.0081	0.10	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Chromium	0.16	0.038	0.10	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Cobalt	0.015	0.0061	0.10	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Copper	0.27	0.13	1.0	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Iron	47	1.9	5.0	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Manganese	11	0.082	1.0	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Mercury	0.083	0.0024	0.010	mg/Kg wet	06/04/07	06/15/07
884529-005	#5 LAKE LORY	Molybdenum	0.065	0.016	1.0	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Nickel	0.34	0.34	1.0	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Selenium	0.55	0.045	0.10	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Silver	0.011	0.011	0.050	mg/Kg wet	06/04/07	06/27/07
884529-005	#5 LAKE LORY	Strontium	11	0.057	1.0	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Zinc	15	1.4	5.0	mg/Kg wet	06/04/07	06/21/07
884529-005	#5 LAKE LORY	Percent Solids	23.7			% wet	06/04/07	07/03/07
884529-006	#6 LAKE LORY	Aluminum	56	0.36	5.0	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Antimony	0.0085	0.0085	0.10	mg/Kg wet	06/04/07	06/27/07
884529-006	#6 LAKE LORY	Arsenic	0.080	0.013	0.10	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Barium	0.68	0.034	0.10	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Boron	0.16	0.031	1.0	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Cadmium	0.013	0.0081	0.10	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Chromium	0.50	0.038	0.10	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Cobalt	0.057	0.0061	0.10	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Copper	0.52	0.13	1.0	mg/Kg wet	06/04/07	06/21/07

Table 4. Humboldt Mill Project Summary of 2007 Fish Contaminants Data
Lab Analysis Data.

Lab Sample Number	Field ID	Parameter	Result	MDL	EQL	Units	Collection Date	Analysis Date
884529-006	#6 LAKE LORY	Iron	140	1.9	5.0	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Manganese	24	0.082	1.0	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Mercury	0.064	0.0024	0.010	mg/Kg wet	06/04/07	06/15/07
884529-006	#6 LAKE LORY	Molybdenum	0.11	0.016	1.0	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Nickel	0.43	0.34	1.0	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Selenium	0.49	0.045	0.10	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Silver	0.011	0.011	0.050	mg/Kg wet	06/04/07	06/27/07
884529-006	#6 LAKE LORY	Strontium	20	0.057	1.0	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Zinc	17	1.4	5.0	mg/Kg wet	06/04/07	06/21/07
884529-006	#6 LAKE LORY	Percent Solids	25.8			% wet	06/04/07	07/03/07
884529-007	#7 LAKE LORY	Aluminum	2.4	0.36	5.0	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Antimony	0.0085	0.0085	0.10	mg/Kg wet	06/04/07	06/27/07
884529-007	#7 LAKE LORY	Arsenic	0.054	0.013	0.10	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Barium	1.0	0.034	0.10	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Boron	0.094	0.031	1.0	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Cadmium	0.0081	0.0081	0.10	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Chromium	0.13	0.038	0.10	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Cobalt	0.022	0.0061	0.10	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Copper	0.36	0.13	1.0	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Iron	65	1.9	5.0	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Manganese	15	0.082	1.0	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Mercury	0.11	0.0024	0.010	mg/Kg wet	06/04/07	06/15/07
884529-007	#7 LAKE LORY	Molybdenum	0.11	0.016	1.0	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Nickel	0.34	0.34	1.0	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Selenium	0.45	0.045	0.10	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Silver	0.011	0.011	0.050	mg/Kg wet	06/04/07	06/27/07
884529-007	#7 LAKE LORY	Strontium	19	0.057	1.0	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Zinc	19	1.4	5.0	mg/Kg wet	06/04/07	06/21/07
884529-007	#7 LAKE LORY	Percent Solids	21.4			% wet	06/04/07	07/03/07
884529-008	#8 LAKE LORY	Aluminum	3.7	0.36	5.0	mg/Kg wet	06/04/07	06/21/07
884529-008	#8 LAKE LORY	Antimony	0.0085	0.0085	0.10	mg/Kg wet	06/04/07	06/27/07
884529-008	#8 LAKE LORY	Arsenic	0.027	0.013	0.10	mg/Kg wet	06/04/07	06/21/07
884529-008	#8 LAKE LORY	Barium	0.35	0.034	0.10	mg/Kg wet	06/04/07	06/21/07

Table 4. Humboldt Mill Project Summary of 2007 Fish Contaminants Data
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884529-008	#8 LAKE LORY	Chromium	0.15	0.038	0.10	mg/Kg wet	06/04/07	06/21/07
884529-008	#8 LAKE LORY	Cobalt	0.019	0.0061	0.10	mg/Kg wet	06/04/07	06/21/07
884529-008	#8 LAKE LORY	Copper	0.29	0.13	1.0	mg/Kg wet	06/04/07	06/21/07
884529-008	#8 LAKE LORY	Iron	47	1.9	5.0	mg/Kg wet	06/04/07	06/21/07
884529-008	#8 LAKE LORY	Manganese	4.1	0.082	1.0	mg/Kg wet	06/04/07	06/21/07
884529-008	#8 LAKE LORY	Mercury	0.073	0.0024	0.010	mg/Kg wet	06/04/07	06/15/07
884529-008	#8 LAKE LORY	Molybdenum	0.067	0.016	1.0	mg/Kg wet	06/04/07	06/21/07
884529-008	#8 LAKE LORY	Nickel	0.34	0.34	1.0	mg/Kg wet	06/04/07	06/21/07
884529-008	#8 LAKE LORY	Selenium	0.38	0.045	0.10	mg/Kg wet	06/04/07	06/21/07
884529-008	#8 LAKE LORY	Silver	0.011	0.011	0.050	mg/Kg wet	06/04/07	06/27/07
884529-008	#8 LAKE LORY	Strontium	8.9	0.057	1.0	mg/Kg wet	06/04/07	06/21/07
884529-008	#8 LAKE LORY	Zinc	16	1.4	5.0	mg/Kg wet	06/04/07	06/21/07
884529-008	#8 LAKE LORY	Percent Solids	24.8			% wet	06/04/07	07/03/07
884529-009	#9 LAKE LORY	Aluminum	1.5	0.36	5.0	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Antimony	0.0085	0.0085	0.10	mg/Kg wet	06/04/07	06/27/07
884529-009	#9 LAKE LORY	Arsenic	0.13	0.013	0.10	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Barium	0.75	0.034	0.10	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Boron	0.068	0.031	1.0	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Cadmium	0.011	0.0081	0.10	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Chromium	0.12	0.038	0.10	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Cobalt	0.014	0.0061	0.10	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Copper	0.33	0.13	1.0	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Iron	70	1.9	5.0	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Manganese	18	0.082	1.0	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Mercury	0.058	0.0024	0.010	mg/Kg wet	06/04/07	06/15/07
884529-009	#9 LAKE LORY	Molybdenum	0.078	0.016	1.0	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Nickel	0.34	0.34	1.0	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Selenium	0.47	0.045	0.10	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Silver	0.011	0.011	0.050	mg/Kg wet	06/04/07	06/27/07
884529-009	#9 LAKE LORY	Strontium	10	0.057	1.0	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Zinc	15	1.4	5.0	mg/Kg wet	06/04/07	06/21/07
884529-009	#9 LAKE LORY	Percent Solids	24.5			% wet	06/04/07	07/03/07
Lab Sample Number	Field ID	Parameter	Result	MDL	EQL	Units	Collection Date	Analysis Date
884529-010	#10 LAKE LORY	Aluminum	0.85	0.36	5.0	mg/Kg wet	06/04/07	06/21/07
884529-010	#10 LAKE LORY	Antimony	0.0085	0.0085	0.10	mg/Kg wet	06/04/07	06/27/07
884529-010	#10 LAKE LORY	Arsenic	0.052	0.013	0.10	mg/Kg wet	06/04/07	06/21/07
884529-010	#10 LAKE LORY	Barium	0.42	0.034	0.10	mg/Kg wet	06/04/07	06/21/07

Table 4. Humboldt Mill Project Summary of 2007 Fish Contaminants Data
Lab Analysis Data.

884529-010	#10 LAKE LORY	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/04/07	06/21/07
884529-010	#10 LAKE LORY	Boron	0.049	0.031	1.0	mg/Kg wet	06/04/07	06/21/07
884529-010	#10 LAKE LORY	Cadmium	0.010	0.0081	0.10	mg/Kg wet	06/04/07	06/21/07
884529-010	#10 LAKE LORY	Chromium	0.14	0.038	0.10	mg/Kg wet	6/4/2007	06/21/07
884529-010	#10 LAKE LORY	Cobalt	0.011	0.0061	0.10	mg/Kg wet	06/04/07	06/21/07
884529-010	#10 LAKE LORY	Copper	0.24	0.13	1.0	mg/Kg wet	06/04/07	06/21/07
884529-010	#10 LAKE LORY	Iron	35	1.9	5.0	mg/Kg wet	06/04/07	06/21/07
884529-010	#10 LAKE LORY	Manganese	9.8	0.082	1.0	mg/Kg wet	06/04/07	06/21/07
884529-010	#10 LAKE LORY	Mercury	0.083	0.0024	0.010	mg/Kg wet	06/04/07	06/15/07
884529-010	#10 LAKE LORY	Molybdenum	0.058	0.016	1.0	mg/Kg wet	06/04/07	06/21/07
884529-010	#10 LAKE LORY	Nickel	0.34	0.34	1.0	mg/Kg wet	06/04/07	06/21/07
884529-010	#10 LAKE LORY	Selenium	0.47	0.045	0.10	mg/Kg wet	06/04/07	06/21/07
884529-010	#10 LAKE LORY	Silver	0.011	0.011	0.050	mg/Kg wet	06/04/07	06/27/07
884529-010	#10 LAKE LORY	Strontium	7.9	0.057	1.0	mg/Kg wet	06/04/07	06/21/07
884529-010	#10 LAKE LORY	Zinc	13	1.4	5.0	mg/Kg wet	06/04/07	06/21/07
884529-010	#10 LAKE LORY	Percent Solids	23.8			% wet	06/04/07	07/03/07
884631-001	#1 PIT LAKE	Aluminum	0.88	0.36	5.0	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Antimony	0.026	0.0085	0.10	mg/Kg wet	06/05/07	06/27/07
884631-001	#1 PIT LAKE	Arsenic	0.075	0.013	0.10	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Barium	0.32	0.034	0.10	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Boron	0.12	0.031	1.0	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Cadmium	0.0081	0.0081	0.10	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Chromium	0.11	0.038	0.10	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Cobalt	0.069	0.0061	0.10	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Copper	0.89	0.13	1.0	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Iron	50	1.9	5.0	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Manganese	29	0.082	1.0	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Mercury	0.013	0.0024	0.010	mg/Kg wet	06/05/07	06/15/07
884631-001	#1 PIT LAKE	Molybdenum	0.057	0.016	1.0	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Nickel	0.69	0.34	1.0	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Selenium	0.54	0.045	0.10	mg/Kg wet	06/05/07	06/21/07
Lab Sample Number	Field ID	Parameter	Result	MDL	EQL	Units	Collection Date	Analysis Date
884631-001	#1 PIT LAKE	Silver	0.011	0.011	0.050	mg/Kg wet	06/05/07	06/27/07
884631-001	#1 PIT LAKE	Strontium	8.5	0.057	1.0	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Zinc	21	1.4	5.0	mg/Kg wet	06/05/07	06/21/07
884631-001	#1 PIT LAKE	Percent Solids	21.3			% wet	06/05/07	07/03/07
884631-002	#2 PIT LAKE	Aluminum	0.92	0.36	5.0	mg/Kg wet	06/05/07	06/21/07

Table 4. Humboldt Mill Project Summary of 2007 Fish Contaminants Data
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884631-002	#2 PIT LAKE	Antimony	0.024	0.0085	0.10	mg/Kg wet	06/05/07	06/27/07
884631-002	#2 PIT LAKE	Arsenic	0.061	0.013	0.10	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Barium	0.39	0.034	0.10	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Boron	0.18	0.031	1.0	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Cadmium	0.012	0.0081	0.10	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Chromium	0.16	0.038	0.10	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Cobalt	0.066	0.0061	0.10	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Copper	1.2	0.13	1.0	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Iron	44	1.9	5.0	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Manganese	35	0.082	1.0	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Mercury	0.012	0.0024	0.010	mg/Kg wet	06/05/07	06/15/07
884631-002	#2 PIT LAKE	Molybdenum	0.044	0.016	1.0	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Nickel	0.52	0.34	1.0	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Selenium	0.58	0.045	0.10	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Silver	0.011	0.011	0.050	mg/Kg wet	06/05/07	06/27/07
884631-002	#2 PIT LAKE	Strontium	11	0.057	1.0	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Zinc	19	1.4	5.0	mg/Kg wet	06/05/07	06/21/07
884631-002	#2 PIT LAKE	Percent Solids	18.6		% wet		06/05/07	07/03/07
884631-003	#3 PIT LAKE	Aluminum	14	0.36	5.0	mg/Kg wet	06/05/07	06/21/07
884631-003	#3 PIT LAKE	Antimony	0.060	0.0085	0.10	mg/Kg wet	06/05/07	06/27/07
884631-003	#3 PIT LAKE	Arsenic	0.83	0.013	0.10	mg/Kg wet	06/05/07	06/21/07
884631-003	#3 PIT LAKE	Barium	0.79	0.034	0.10	mg/Kg wet	06/05/07	06/21/07
884631-003	#3 PIT LAKE	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/05/07	06/21/07
884631-003	#3 PIT LAKE	Boron	0.12	0.031	1.0	mg/Kg wet	06/05/07	06/21/07
884631-003	#3 PIT LAKE	Cadmium	0.0081	0.0081	0.10	mg/Kg wet	06/05/07	06/21/07
884631-003	#3 PIT LAKE	Chromium	0.25	0.038	0.10	mg/Kg wet	06/05/07	06/21/07
884631-003	#3 PIT LAKE	Cobalt	0.16	0.0061	0.10	mg/Kg wet	06/05/07	06/21/07
884631-003	#3 PIT LAKE	Copper	2.7	0.13	1.0	mg/Kg wet	06/05/07	06/21/07
884631-003	#3 PIT LAKE	Iron	450	1.9	5.0	mg/Kg wet	06/05/07	06/21/07
884631-003	#3 PIT LAKE	Manganese	19	0.082	1.0	mg/Kg wet	06/05/07	06/21/07
Lab Sample Number	Field ID	Parameter	Result	MDL	EQL	Units	Collection Date	Analysis Date
884631-003	#3 PIT LAKE	Mercury	0.011	0.0024	0.010	mg/Kg wet	06/05/07	06/15/07
884631-003	#3 PIT LAKE	Molybdenum	0.14	0.016	1.0	mg/Kg wet	06/05/07	06/21/07
884631-003	#3 PIT LAKE	Nickel	1.5	0.34	1.0	mg/Kg wet	06/05/07	06/21/07
884631-003	#3 PIT LAKE	Selenium	0.62	0.045	0.10	mg/Kg wet	06/05/07	06/21/07
884631-003	#3 PIT LAKE	Silver	0.011	0.011	0.050	mg/Kg wet	06/05/07	06/27/07
884631-003	#3 PIT LAKE	Strontium	4.7	0.057	1.0	mg/Kg wet	06/05/07	06/21/07

Table 4. Humboldt Mill Project Summary of 2007 Fish Contaminants Data
Lab Analysis Data.

Lab Sample Number	Field ID	Parameter	Result	MDL	EQL	Units	Collection Date	Analysis Date
884631-003	#3 PIT LAKE	Zinc	13	1.4	5.0	mg/Kg wet	06/05/07	06/21/07
884631-003	#3 PIT LAKE	Percent Solids	21.1			% wet	06/05/07	07/03/07
884631-004	#4 PIT LAKE	Aluminum	46	0.36	5.0	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Antimony	0.20	0.0085	0.10	mg/Kg wet	06/05/07	06/27/07
884631-004	#4 PIT LAKE	Arsenic	0.22	0.013	0.10	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Barium	0.72	0.034	0.10	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Boron	0.22	0.031	1.0	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Cadmium	0.010	0.0081	0.10	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Chromium	0.20	0.038	0.10	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Cobalt	0.27	0.0061	0.10	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Copper	2.9	0.13	1.0	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Iron	230	1.9	5.0	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Manganese	57	0.082	1.0	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Mercury	0.013	0.0024	0.010	mg/Kg wet	06/05/07	06/15/07
884631-004	#4 PIT LAKE	Molybdenum	0.15	0.016	1.0	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Nickel	3.6	0.34	1.0	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Selenium	0.53	0.045	0.10	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Silver	0.011	0.011	0.050	mg/Kg wet	06/05/07	06/27/07
884631-004	#4 PIT LAKE	Strontium	9.1	0.057	1.0	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Zinc	17	1.4	5.0	mg/Kg wet	06/05/07	06/21/07
884631-004	#4 PIT LAKE	Percent Solids	22.7			% wet	06/05/07	07/03/07
884631-005	#5 PIT LAKE	Aluminum	0.99	0.36	5.0	mg/Kg wet	06/05/07	06/21/07
884631-005	#5 PIT LAKE	Antimony	0.0085	0.0085	0.10	mg/Kg wet	06/05/07	06/27/07
884631-005	#5 PIT LAKE	Arsenic	0.12	0.013	0.10	mg/Kg wet	06/05/07	06/21/07
884631-005	#5 PIT LAKE	Barium	0.51	0.034	0.10	mg/Kg wet	06/05/07	06/21/07
884631-005	#5 PIT LAKE	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/05/07	06/21/07
884631-005	#5 PIT LAKE	Boron	0.10	0.031	1.0	mg/Kg wet	06/05/07	06/21/07
884631-005	#5 PIT LAKE	Cadmium	0.0081	0.0081	0.10	mg/Kg wet	06/05/07	06/21/07
884631-005	#5 PIT LAKE	Chromium	0.12	0.038	0.10	mg/Kg wet	06/05/07	06/21/07
Lab Sample Number	Field ID	Parameter	Result	MDL	EQL	Units	Collection Date	Analysis Date
884631-005	#5 PIT LAKE	Cobalt	0.052	0.0061	0.10	mg/Kg wet	06/05/07	06/21/07
884631-005	#5 PIT LAKE	Copper	0.93	0.13	1.0	mg/Kg wet	06/05/07	06/21/07
884631-005	#5 PIT LAKE	Iron	32	1.9	5.0	mg/Kg wet	06/05/07	06/21/07
884631-005	#5 PIT LAKE	Manganese	13	0.082	1.0	mg/Kg wet	06/05/07	06/21/07
884631-005	#5 PIT LAKE	Mercury	0.0064	0.0024	0.010	mg/Kg wet	06/05/07	06/15/07
884631-005	#5 PIT LAKE	Molybdenum	0.041	0.016	1.0	mg/Kg wet	06/05/07	06/21/07
884631-005	#5 PIT LAKE	Nickel	0.34	0.34	1.0	mg/Kg wet	06/05/07	06/21/07

Table 4. Humboldt Mill Project Summary of 2007 Fish Contaminants Data
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884631-005	#5 PIT LAKE	Selenium	0.50	0.045	0.10	mg/Kg wet	06/05/07	06/21/07
884631-005	#5 PIT LAKE	Silver	0.011	0.011	0.050	mg/Kg wet	06/05/07	06/27/07
884631-005	#5 PIT LAKE	Strontium	6.3	0.057	1.0	mg/Kg wet	06/05/07	06/21/07
884631-005	#5 PIT LAKE	Zinc	22	1.4	5.0	mg/Kg wet	06/05/07	06/21/07
884631-005	#5 PIT LAKE	Percent Solids	17.1			% wet	06/05/07	07/03/07
884631-006	#6 PIT LAKE	Aluminum	0.95	0.36	5.0	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Antimony	0.058	0.0085	0.10	mg/Kg wet	06/05/07	06/27/07
884631-006	#6 PIT LAKE	Arsenic	0.10	0.013	0.10	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Barium	0.28	0.034	0.10	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Boron	0.24	0.031	1.0	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Cadmium	0.0081	0.0081	0.10	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Chromium	0.12	0.038	0.10	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Cobalt	0.16	0.0061	0.10	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Copper	1.4	0.13	1.0	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Iron	40	1.9	5.0	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Manganese	23	0.082	1.0	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Mercury	0.017	0.0024	0.010	mg/Kg wet	06/05/07	06/15/07
884631-006	#6 PIT LAKE	Molybdenum	0.091	0.016	1.0	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Nickel	1.7	0.34	1.0	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Selenium	0.53	0.045	0.10	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Silver	0.011	0.011	0.050	mg/Kg wet	06/05/07	06/27/07
884631-006	#6 PIT LAKE	Strontium	8.8	0.057	1.0	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Zinc	20	1.4	5.0	mg/Kg wet	06/05/07	06/21/07
884631-006	#6 PIT LAKE	Percent Solids	21.6			% wet	06/05/07	07/03/07
884631-007	#7 PIT LAKE	Aluminum	0.83	0.36	5.0	mg/Kg wet	06/05/07	06/21/07
884631-007	#7 PIT LAKE	Antimony	0.011	0.0085	0.10	mg/Kg wet	06/05/07	06/27/07
884631-007	#7 PIT LAKE	Arsenic	0.12	0.013	0.10	mg/Kg wet	06/05/07	06/21/07
884631-007	#7 PIT LAKE	Barium	0.32	0.034	0.10	mg/Kg wet	06/05/07	06/21/07
Lab Sample Number	Field ID	Parameter	Result	MDL	EQL	Units	Collection Date	Analysis Date
	#7 PIT LAKE	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/05/07	06/21/07
	#7 PIT LAKE	Boron	0.11	0.031	1.0	mg/Kg wet	06/05/07	06/21/07
	#7 PIT LAKE	Cadmium	0.0081	0.0081	0.10	mg/Kg wet	06/05/07	06/21/07
	#7 PIT LAKE	Chromium	0.13	0.038	0.10	mg/Kg wet	06/05/07	06/21/07
	#7 PIT LAKE	Cobalt	0.042	0.0061	0.10	mg/Kg wet	06/05/07	06/21/07
	#7 PIT LAKE	Copper	0.54	0.13	1.0	mg/Kg wet	06/05/07	06/21/07
	#7 PIT LAKE	Iron	39	1.9	5.0	mg/Kg wet	06/05/07	06/21/07
	#7 PIT LAKE	Manganese	12	0.082	1.0	mg/Kg wet	06/05/07	06/21/07

Table 4. Humboldt Mill Project Summary of 2007 Fish Contaminants Data
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884631-007	#7 PIT LAKE	Mercury	0.0068	0.0024	0.010	mg/Kg wet	06/05/07	06/15/07
884631-007	#7 PIT LAKE	Molybdenum	0.041	0.016	1.0	mg/Kg wet	06/05/07	06/21/07
884631-007	#7 PIT LAKE	Nickel	0.34	0.34	1.0	mg/Kg wet	06/05/07	06/21/07
884631-007	#7 PIT LAKE	Selenium	0.37	0.045	0.10	mg/Kg wet	06/05/07	06/21/07
884631-007	#7 PIT LAKE	Silver	0.011	0.011	0.050	mg/Kg wet	06/05/07	06/27/07
884631-007	#7 PIT LAKE	Strontium	8.1	0.057	1.0	mg/Kg wet	06/05/07	06/21/07
884631-007	#7 PIT LAKE	Zinc	22	1.4	5.0	mg/Kg wet	06/05/07	06/21/07
884631-007	#7 PIT LAKE	Percent Solids	22.2			% wet	06/05/07	07/03/07
884631-008	#8 PIT LAKE	Aluminum	0.66	0.36	5.0	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Antimony	0.0085	0.0085	0.10	mg/Kg wet	06/05/07	06/27/07
884631-008	#8 PIT LAKE	Arsenic	0.092	0.013	0.10	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Barium	0.33	0.034	0.10	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Boron	0.17	0.031	1.0	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Cadmium	0.0081	0.0081	0.10	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Chromium	0.096	0.038	0.10	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Cobalt	0.041	0.0061	0.10	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Copper	0.85	0.13	1.0	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Iron	46	1.9	5.0	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Manganese	9.4	0.082	1.0	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Mercury	0.012	0.0024	0.010	mg/Kg wet	06/05/07	06/15/07
884631-008	#8 PIT LAKE	Molybdenum	0.19	0.016	1.0	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Nickel	0.37	0.34	1.0	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Selenium	0.48	0.045	0.10	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Silver	0.011	0.011	0.050	mg/Kg wet	06/05/07	06/27/07
884631-008	#8 PIT LAKE	Strontium	14	0.057	1.0	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Zinc	14	1.4	5.0	mg/Kg wet	06/05/07	06/21/07
884631-008	#8 PIT LAKE	Percent Solids	19.9			% wet	06/05/07	07/03/07
Lab Sample Number	Field ID	Parameter	Result	MDL	EQL	Units	Collection Date	Analysis Date
884631-009	#9 PIT LAKE	Aluminum	1.2	0.36	5.0	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Antimony	0.0085	0.0085	0.10	mg/Kg wet	06/05/07	06/27/07
884631-009	#9 PIT LAKE	Arsenic	0.27	0.013	0.10	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Barium	0.41	0.034	0.10	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Boron	0.13	0.031	1.0	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Cadmium	0.0081	0.0081	0.10	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Chromium	0.099	0.038	0.10	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Cobalt	0.064	0.0061	0.10	mg/Kg wet	06/05/07	06/21/07

Table 4. Humboldt Mill Project Summary of 2007 Fish Contaminants Data
Lab Analysis Data.

884631-009	#9 PIT LAKE	Copper	0.75	0.13	1.0	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Iron	80	1.9	5.0	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Manganese	9.1	0.082	1.0	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Mercury	0.016	0.0024	0.010	mg/Kg wet	06/05/07	06/15/07
884631-009	#9 PIT LAKE	Molybdenum	0.043	0.016	1.0	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Nickel	0.52	0.34	1.0	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Selenium	0.46	0.045	0.10	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Silver	0.011	0.011	0.050	mg/Kg wet	06/05/07	06/27/07
884631-009	#9 PIT LAKE	Strontium	9.7	0.057	1.0	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Zinc	20	1.4	5.0	mg/Kg wet	06/05/07	06/21/07
884631-009	#9 PIT LAKE	Percent Solids	20.4			% wet	06/05/07	07/03/07
884631-010	#10 PIT LAKE	Aluminum	0.93	0.36	5.0	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Antimony	0.028	0.0085	0.10	mg/Kg wet	06/05/07	06/27/07
884631-010	#10 PIT LAKE	Arsenic	0.089	0.013	0.10	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Barium	0.44	0.034	0.10	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Beryllium	0.0070	0.0070	0.10	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Boron	0.14	0.031	1.0	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Cadmium	0.0081	0.0081	0.10	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Chromium	0.13	0.038	0.10	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Cobalt	0.096	0.0061	0.10	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Copper	1.1	0.13	1.0	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Iron	56	1.9	5.0	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Manganese	44	0.082	1.0	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Mercury	0.0096	0.0024	0.010	mg/Kg wet	06/05/07	06/15/07
884631-010	#10 PIT LAKE	Molybdenum	0.076	0.016	1.0	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Nickel	1.2	0.34	1.0	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Selenium	0.56	0.045	0.10	mg/Kg wet	06/05/07	06/21/07
Lab Sample Number	Field ID	Parameter	Result	MDL	EQL	Units	Collection Date	Analysis Date
884631-010	#10 PIT LAKE	Silver	0.011	0.011	0.050	mg/Kg wet	06/05/07	06/27/07
884631-010	#10 PIT LAKE	Strontium	11	0.057	1.0	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Zinc	19	1.4	5.0	mg/Kg wet	06/05/07	06/21/07
884631-010	#10 PIT LAKE	Percent Solids	23.4			% wet	06/05/07	07/03/07

Attachment 1

Analytical Laboratories Reports
Batch No.'s 884529 and 884631)



Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

July 6, 2007

Andrea Martin
Foth & Van Dyke
2737 South Ridge Road
Green Bay, WI 54304

Dear Ms. Martin:

Enclosed is a report for the metals and moisture analysis of fish samples for the Humboldt Lory and Pit Lake sites (06W003). The samples were assigned to batch numbers 884529 and 884631 for laboratory tracking purposes.

If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Marge Allen-Trunkner for Tod N.
Tod Noltemeyer
Project Manager



1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 884529

Client: FOTH INFRASTRUCTURE & ENVIRONMENT

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT LAKE LORY

Project Number: 06W003

Lab Sample Number	Field ID	Matrix	Collection Date
884529-001	#1 LAKE LORY	BIOTA	06/04/07 08:15
884529-002	#2 LAKE LORY	BIOTA	06/04/07 08:30
884529-003	#3 LAKE LORY	BIOTA	06/04/07 09:15
884529-004	#4 LAKE LORY	BIOTA	06/04/07 09:56
884529-005	#5 LAKE LORY	BIOTA	06/04/07 10:30
884529-006	#6 LAKE LORY	BIOTA	06/04/07 10:32
884529-007	#7 LAKE LORY	BIOTA	06/04/07 10:32
884529-008	#8 LAKE LORY	BIOTA	06/04/07 10:41
884529-009	#9 LAKE LORY	BIOTA	06/04/07 11:02
884529-010	#10 LAKE LORY	BIOTA	06/04/07 11:15

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

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Marge Allen-Trunkner for Tod N.
Approval/Signature

7-9-07

Date

Page 1 of 32



1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 884631

Client: FOTH INFRASTRUCTURE & ENVIRONMENT

Lab Contact: Tod Noltemeyer

Project Name: HUMBOLDT PIT LAKE

Project Number: 06W003

Lab Sample Number	Field ID	Matrix	Collection Date
884631-001	#1 PIT LAKE	BIOTA	06/05/07
884631-002	#2 PIT LAKE	BIOTA	06/05/07
884631-003	#3 PIT LAKE	BIOTA	06/05/07
884631-004	#4 PIT LAKE	BIOTA	06/05/07
884631-005	#5 PIT LAKE	BIOTA	06/05/07
884631-006	#6 PIT LAKE	BIOTA	06/05/07
884631-007	#7 PIT LAKE	BIOTA	06/05/07
884631-008	#8 PIT LAKE	BIOTA	06/05/07
884631-009	#9 PIT LAKE	BIOTA	06/05/07
884631-010	#10 PIT LAKE	BIOTA	06/05/07

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

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Approval Signature

Date

Page 2 of 32

Pace Analytical
Services, Inc.

Analytical Report Number: 884529

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT LAKE LORY
Project Number : 06W003
Field ID : #1 LAKE LORY

Matrix Type : BIOTA
Collection Date : 06/04/07
Report Date : 07/09/07
Lab Sample Number : 884529-001

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	17	0.36	5.0	1	mg/Kg wet		06/21/07 02:58 PM	SW846 M3050	SW846 6020
Antimony	0.0085	U	0.0085	0.10	1	mg/Kg wet	Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Arsenic	0.093	B	0.013	0.10	1	mg/Kg wet	06/27/07 11:24 AM	SW846 3050B	SW846 6020
Barium	0.91	0.034	0.10	1	mg/Kg wet		06/21/07 02:58 PM	SW846 M3050	SW846 6020
Beryllium	0.0080	B	0.0070	0.10	1	mg/Kg wet	Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Boron	0.19	B	0.031	1.0	1	mg/Kg wet	06/21/07 02:58 PM	SW846 M3050	SW846 6020
Cadmium	0.017	B	0.0081	0.10	1	mg/Kg wet	Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Chromium	0.24	0.038	0.10	1	mg/Kg wet		06/21/07 02:58 PM	SW846 M3050	SW846 6020
Cobalt	0.035	B	0.0061	0.10	1	mg/Kg wet	Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Copper	0.66	B	0.13	1.0	1	mg/Kg wet	06/21/07 02:58 PM	SW846 M3050	SW846 6020
Iron	95	1.9	5.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Manganese	19	0.082	1.0	1	mg/Kg wet	N	06/21/07 02:58 PM	SW846 M3050	SW846 6020
Mercury	0.086	0.0024	0.010	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Molybdenum	0.12	B	0.016	1.0	1	mg/Kg wet	06/21/07 02:58 PM	SW846 M3050	SW846 6020
Nickel	0.34	U	0.34	1.0	1	mg/Kg wet	Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Selenium	0.58	0.045	0.10	1	mg/Kg wet		06/21/07 02:58 PM	SW846 M3050	SW846 6020
Silver	0.011	U	0.011	0.050	1	mg/Kg wet	Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Strontium	17	0.057	1.0	1	mg/Kg wet	N	06/21/07 02:58 PM	SW846 M3050	SW846 6020
Zinc	19	1.4	5.0	1	mg/Kg wet	N	06/21/07 02:58 PM	SW846 M3050	SW846 6020
Percent Solids	26.0	—	—	1	% wet		07/03/07	SM 2540G M	SM 2540G M
								Prep Date/Time: 07/03/07	Anl By: JAL

Pace Analytical
Services, Inc.

Analytical Report Number: 884529

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT LAKE LORY
Project Number : 06W003
Field ID : #2 LAKE LORY

Matrix Type : BIOTA
Collection Date : 06/04/07
Report Date : 07/09/07
Lab Sample Number : 884529-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	15	0.36	5.0	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Antimony	0.016	B 0.0085	0.10	1	mg/Kg wet		06/27/07 11:44 AM	SW846 3050B	SW846 6020
Arsenic	0.12	0.013	0.10	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Barium	0.68	0.034	0.10	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Beryllium	0.010	B 0.0070	0.10	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Boron	0.32	B 0.031	1.0	1	mg/Kg wet	A	06/21/07 03:21 PM	SW846 M3050	SW846 6020
Cadmium	0.011	B 0.0081	0.10	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Chromium	0.19	0.038	0.10	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Cobalt	0.034	B 0.0061	0.10	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Copper	0.33	B 0.13	1.0	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Iron	93	1.9	5.0	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Manganese	12	0.082	1.0	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Mercury	0.085	0.0024	0.010	1	mg/Kg wet		06/15/07 05:18 PM	SW846 M7471	SW846 M7471
Molybdenum	0.083	B 0.016	1.0	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Nickel	0.34	U 0.34	1.0	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Selenium	0.41	0.045	0.10	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		06/27/07 11:44 AM	SW846 3050B	SW846 6020
Strontium	11	0.057	1.0	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Zinc	14	1.4	5.0	1	mg/Kg wet		06/21/07 03:21 PM	SW846 M3050	SW846 6020
Percent Solids	24.2	--	--	1	% wet		07/03/07	SM 2540G M	SM 2540G M
									Anl By: JAL

Pace Analytical
Services, Inc.

Analytical Report Number: 884529

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT LAKE LORY
Project Number : 06W003
Field ID : #3 LAKE LORY

Matrix Type : BIOTA
Collection Date : 06/04/07
Report Date : 07/09/07
Lab Sample Number : 884529-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	1.2	B 0.36	5.0	1	mg/Kg wet		06/21/07 03:36 PM	SW846 M3050	SW846 6020
Antimony	0.0085	U 0.0085	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Arsenic	0.045	B 0.013	0.10	1	mg/Kg wet		06/21/07 03:36 PM	SW846 M3050	SW846 6020
Barium	0.46	0.034	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 03:36 PM	SW846 M3050	SW846 6020
Boron	0.12	B 0.031	1.0	1	mg/Kg wet	A	06/21/07 03:36 PM	SW846 M3050	SW846 6020
Cadmium	0.0090	B 0.0081	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Chromium	0.12	0.038	0.10	1	mg/Kg wet		06/21/07 03:36 PM	SW846 M3050	SW846 6020
Cobalt	0.014	B 0.0061	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Copper	0.29	B 0.13	1.0	1	mg/Kg wet		06/21/07 03:36 PM	SW846 M3050	SW846 6020
Iron	55	1.9	5.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Manganese	6.2	0.082	1.0	1	mg/Kg wet		06/21/07 03:36 PM	SW846 M3050	SW846 6020
Mercury	0.064	0.0024	0.010	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Molybdenum	0.088	B 0.016	1.0	1	mg/Kg wet		06/21/07 03:36 PM	SW846 M3050	SW846 6020
Nickel	0.34	U 0.34	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Selenium	0.40	0.045	0.10	1	mg/Kg wet		06/21/07 03:36 PM	SW846 M3050	SW846 6020
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Strontium	10	0.057	1.0	1	mg/Kg wet		06/21/07 03:36 PM	SW846 M3050	SW846 6020
Zinc	16	1.4	5.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Percent Solids	25.5	—	—	1	% wet		06/21/07 03:36 PM	SM 2540G M	SM 2540G M
							Prep Date/Time: 07/03/07		Anl By: JAL

Pace Analytical
Services, Inc.

Analytical Report Number: 884529

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT LAKE LORY
Project Number : 06W003
Field ID : #4 LAKE LORY

Matrix Type : BIOTA
Collection Date : 06/04/07
Report Date : 07/09/07
Lab Sample Number : 884529-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	9.0	0.36	5.0	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Antimony	0.0085	U 0.0085	0.10	1	mg/Kg wet		06/27/07 11:57 AM	SW846 3050B	SW846 6020
Arsenic	0.13	0.013	0.10	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Barium	0.74	0.034	0.10	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Boron	0.11	B 0.031	1.0	1	mg/Kg wet	A	06/21/07 03:44 PM	SW846 M3050	SW846 6020
Cadmium	0.010	B 0.0081	0.10	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Chromium	0.28	0.038	0.10	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Cobalt	0.030	B 0.0061	0.10	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Copper	0.35	B 0.13	1.0	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Iron	86	1.9	5.0	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Manganese	20	0.082	1.0	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Mercury	0.083	0.0024	0.010	1	mg/Kg wet		06/15/07 05:21 PM	SW846 M7471	SW846 M7471
Molybdenum	0.15	B 0.016	1.0	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Nickel	0.34	U 0.34	1.0	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Selenium	0.45	0.045	0.10	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		06/27/07 11:57 AM	SW846 3050B	SW846 6020
Strontrium	12	0.057	1.0	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Zinc	14	1.4	5.0	1	mg/Kg wet		06/21/07 03:44 PM	SW846 M3050	SW846 6020
Percent Solids	22.8	--	--	1	% wet		07/03/07	SM 2540G M	SM 2540G M
									Anl By: JAL

Pace Analytical
Services, Inc.

Analytical Report Number: 884529

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT LAKE LORY
Project Number : 06W003
Field ID : #5 LAKE LORY

Matrix Type : BIOTA
Collection Date : 06/04/07
Report Date : 07/09/07
Lab Sample Number : 884529-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	1.3	B 0.36	5.0	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Antimony	0.0085	U 0.0085	0.10	1	mg/Kg wet		06/27/07 12:01 PM	SW846 3050B	SW846 6020
Arsenic	0.054	B 0.013	0.10	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Barium	0.55	0.034	0.10	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Boron	0.087	B 0.031	1.0	1	mg/Kg wet	A	06/21/07 03:52 PM	SW846 M3050	SW846 6020
Cadmium	0.0090	B 0.0081	0.10	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Chromium	0.16	0.038	0.10	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Cobalt	0.015	B 0.0061	0.10	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Copper	0.27	B 0.13	1.0	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Iron	47	1.9	5.0	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Manganese	11	0.082	1.0	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Mercury	0.083	0.0024	0.010	1	mg/Kg wet		06/15/07 05:25 PM	SW846 M7471	SW846 M7471
Molybdenum	0.065	B 0.016	1.0	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Nickel	0.34	U 0.34	1.0	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Selenium	0.55	0.045	0.10	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		06/27/07 12:01 PM	SW846 3050B	SW846 6020
Strontium	11	0.057	1.0	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Zinc	15	1.4	5.0	1	mg/Kg wet		06/21/07 03:52 PM	SW846 M3050	SW846 6020
Percent Solids	23.7	--	--	1	% wet		07/03/07	SM 2540G M	SM 2540G M
									Anl By: JAL

Pace Analytical
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Analytical Report Number: 884529

1241 Bellevue Street
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Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT LAKE LORY
Project Number : 06W003
Field ID : #6 LAKE LORY

Matrix Type : BIOTA
Collection Date : 06/04/07
Report Date : 07/09/07
Lab Sample Number : 884529-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	56	0.36	5.0	1	mg/Kg wet		06/21/07 04:14 PM	SW846 M3050	SW846 6020
Antimony	0.0085	U 0.0085	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Arsenic	0.080	B 0.013	0.10	1	mg/Kg wet		06/21/07 04:14 PM	SW846 M3050	SW846 6020
Barium	0.68	0.034	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 11:15 AM	Anl By: AWH	
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 04:14 PM	SW846 M3050	SW846 6020
Boron	0.16	B 0.031	1.0	1	mg/Kg wet	A	Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Cadmium	0.013	B 0.0081	0.10	1	mg/Kg wet		06/21/07 04:14 PM	SW846 M3050	SW846 6020
Chromium	0.50	0.038	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Cobalt	0.057	B 0.0061	0.10	1	mg/Kg wet		06/21/07 04:14 PM	SW846 M3050	SW846 6020
Copper	0.52	B 0.13	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Iron	140	1.9	5.0	1	mg/Kg wet		06/21/07 04:14 PM	SW846 M3050	SW846 6020
Manganese	24	0.082	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Mercury	0.064	0.0024	0.010	1	mg/Kg wet		06/15/07 05:26 PM	SW846 M7471	SW846 M7471
Molybdenum	0.11	B 0.016	1.0	1	mg/Kg wet		Prep Date/Time: 06/15/07 03:15 PM	Anl By: MSB	
Nickel	0.43	B 0.34	1.0	1	mg/Kg wet		06/21/07 04:14 PM	SW846 M3050	SW846 6020
Selenium	0.49	0.045	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		06/27/07 12:05 PM	SW846 3050B	SW846 6020
Strontium	20	0.057	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 11:15 AM	Anl By: AWH	
Zinc	17	1.4	5.0	1	mg/Kg wet		06/21/07 04:14 PM	SW846 M3050	SW846 6020
Percent Solids	25.8	--	--	1	% wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
							07/03/07	SM 2540G M	SM 2540G M
							Prep Date/Time: 07/03/07		Anl By: JAL

Pace Analytical
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Analytical Report Number: 884529

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Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT LAKE LORY
Project Number : 06W003
Field ID : #7 LAKE LORY

Matrix Type : BIOTA
Collection Date : 06/04/07
Report Date : 07/09/07
Lab Sample Number : 884529-007

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	2.4	B 0.36	5.0	1	mg/Kg wet		06/21/07 04:22 PM	SW846 M3050	SW846 6020
Antimony	0.0085	U 0.0085	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Arsenic	0.054	B 0.013	0.10	1	mg/Kg wet		06/21/07 04:22 PM	SW846 M3050	SW846 6020
Barium	1.0	0.034	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 04:22 PM	SW846 M3050	SW846 6020
Boron	0.094	B 0.031	1.0	1	mg/Kg wet	A	06/21/07 04:22 PM	SW846 M3050	SW846 6020
Cadmium	0.0081	U 0.0081	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Chromium	0.13	0.038	0.10	1	mg/Kg wet		06/21/07 04:22 PM	SW846 M3050	SW846 6020
Cobalt	0.022	B 0.0061	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Copper	0.36	B 0.13	1.0	1	mg/Kg wet		06/21/07 04:22 PM	SW846 M3050	SW846 6020
Iron	65	1.9	5.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Manganese	15	0.082	1.0	1	mg/Kg wet		06/21/07 04:22 PM	SW846 M3050	SW846 6020
Mercury	0.11	0.0024	0.010	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Molybdenum	0.11	B 0.016	1.0	1	mg/Kg wet		06/15/07 05:27 PM	SW846 M7471	SW846 M7471
Nickel	0.34	U 0.34	1.0	1	mg/Kg wet		Prep Date/Time: 06/15/07 03:15 PM	Anl By: MSB	
Selenium	0.45	0.045	0.10	1	mg/Kg wet		06/21/07 04:22 PM	SW846 M3050	SW846 6020
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Strontium	19	0.057	1.0	1	mg/Kg wet		06/27/07 12:09 PM	SW846 3050B	SW846 6020
Zinc	19	1.4	5.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Percent Solids	21.4	—	—	1	% wet		06/21/07 04:22 PM	SM 2540G M	SM 2540G M
							07/03/07		
								Prep Date/Time: 07/03/07	Anl By: JAL

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Analytical Report Number: 884529

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Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT LAKE LORY
Project Number : 06W003
Field ID : #8 LAKE LORY

Matrix Type : BIOTA
Collection Date : 06/04/07
Report Date : 07/09/07
Lab Sample Number : 884529-008

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	3.7	B 0.36	5.0	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Antimony	0.0085	U 0.0085	0.10	1	mg/Kg wet		06/27/07 12:13 PM	SW846 3050B	SW846 6020
Arsenic	0.027	B 0.013	0.10	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Barium	0.35	0.034	0.10	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Boron	0.079	B 0.031	1.0	1	mg/Kg wet	A	06/21/07 04:29 PM	SW846 M3050	SW846 6020
Cadmium	0.0081	U 0.0081	0.10	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Chromium	0.15	0.038	0.10	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Cobalt	0.019	B 0.0061	0.10	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Copper	0.29	B 0.13	1.0	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Iron	47	1.9	5.0	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Manganese	4.1	0.082	1.0	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Mercury	0.073	0.0024	0.010	1	mg/Kg wet		06/15/07 05:29 PM	SW846 M7471	SW846 M7471
Molybdenum	0.067	B 0.016	1.0	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Nickel	0.34	U 0.34	1.0	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Selenium	0.38	0.045	0.10	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		06/27/07 12:13 PM	SW846 3050B	SW846 6020
Strontium	8.9	0.057	1.0	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Zinc	16	1.4	5.0	1	mg/Kg wet		06/21/07 04:29 PM	SW846 M3050	SW846 6020
Percent Solids	24.8	--	--	1	% wet		07/03/07	SM 2540G M	SM 2540G M
									Anl By: JAL

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Analytical Report Number: 884529

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Client : FOTH INFRASTRUCTURE & ENVIRONMENT

Project Name : HUMBOLDT LAKE LORY

Project Number : 06W003

Field ID : #9 LAKE LORY

Matrix Type : BIOTA

Collection Date : 06/04/07

Report Date : 07/09/07

Lab Sample Number : 884529-009

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	1.5	B 0.36	5.0	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Antimony	0.0085	U 0.0085	0.10	1	mg/Kg wet		06/27/07 12:17 PM	SW846 3050B	SW846 6020
Arsenic	0.13	0.013	0.10	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Barium	0.75	0.034	0.10	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Boron	0.068	B 0.031	1.0	1	mg/Kg wet	A	06/21/07 04:37 PM	SW846 M3050	SW846 6020
Cadmium	0.011	B 0.0081	0.10	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Chromium	0.12	0.038	0.10	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Cobalt	0.014	B 0.0061	0.10	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Copper	0.33	B 0.13	1.0	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Iron	70	1.9	5.0	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Manganese	18	0.082	1.0	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Mercury	0.058	0.0024	0.010	1	mg/Kg wet		06/15/07 05:30 PM	SW846 M7471	SW846 M7471
Molybdenum	0.078	B 0.016	1.0	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Nickel	0.34	U 0.34	1.0	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Selenium	0.47	0.045	0.10	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		06/27/07 12:17 PM	SW846 3050B	SW846 6020
Strontium	10	0.057	1.0	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Zinc	15	1.4	5.0	1	mg/Kg wet		06/21/07 04:37 PM	SW846 M3050	SW846 6020
Percent Solids	24.5	—	—	1	% wet		07/03/07	SM 2540G M	SM 2540G M
								Prep Date/Time: 07/03/07	Anl By: JAL

Pace Analytical
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Analytical Report Number: 884529

1241 Bellevue Street
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Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT LAKE LORY
Project Number : 06W003
Field ID : #10 LAKE LORY

Matrix Type : BIOTA
Collection Date : 06/04/07
Report Date : 07/09/07
Lab Sample Number : 884529-010

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	0.85	B 0.36	5.0	1	mg/Kg wet		06/21/07 04:45 PM SW846 M3050	SW846 6020	
Antimony	0.0085	U 0.0085	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Arsenic	0.052	B 0.013	0.10	1	mg/Kg wet		06/21/07 04:45 PM SW846 M3050	SW846 6020	
Barium	0.42	0.034	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 04:45 PM SW846 M3050	SW846 6020	
Boron	0.049	B 0.031	1.0	1	mg/Kg wet	A	Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Cadmium	0.010	B 0.0081	0.10	1	mg/Kg wet		06/21/07 04:45 PM SW846 M3050	SW846 6020	
Chromium	0.14	0.038	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Cobalt	0.011	B 0.0061	0.10	1	mg/Kg wet		06/21/07 04:45 PM SW846 M3050	SW846 6020	
Copper	0.24	B 0.13	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Iron	35	1.9	5.0	1	mg/Kg wet		06/21/07 04:45 PM SW846 M3050	SW846 6020	
Manganese	9.8	0.082	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Mercury	0.083	0.0024	0.010	1	mg/Kg wet		06/15/07 05:31 PM SW846 M7471	SW846 M7471	
Molybdenum	0.058	B 0.016	1.0	1	mg/Kg wet		Prep Date/Time: 06/15/07 03:15 PM	Anl By: MSB	
Nickel	0.34	U 0.34	1.0	1	mg/Kg wet		06/21/07 04:45 PM SW846 M3050	SW846 6020	
Selenium	0.47	0.045	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		06/27/07 12:29 PM SW846 3050B	SW846 6020	
Strontium	7.9	0.057	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 11:15 AM	Anl By: AWH	
Zinc	13	1.4	5.0	1	mg/Kg wet		06/21/07 04:45 PM SW846 M3050	SW846 6020	
Percent Solids	23.8	--	--	1	% wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
							07/03/07	SM 2540G M	SM 2540G M
								Prep Date/Time: 07/03/07	Anl By: JAL

Pace Analytical
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Analytical Report Number: 884529

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Client : FOTH INFRASTRUCTURE & ENVIRONMENT

Project Name : HUMBOLDT PIT LAKE

Project Number : 06W003

Field ID : #1 PIT LAKE

Matrix Type : BIOTA

Collection Date : 06/05/07

Report Date : 07/09/07

Lab Sample Number : 884631-001

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	0.88	B 0.36	5.0	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Antimony	0.026	B 0.0085	0.10	1	mg/Kg wet		06/27/07 02:39 AM SW846 3050B	SW846 6020	
							Prep Date/Time:	06/19/07 11:15 AM	Anl By: AWH
Arsenic	0.075	B 0.013	0.10	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Barium	0.32	0.034	0.10	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Boron	0.12	B 0.031	1.0	1	mg/Kg wet	A	06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Cadmium	0.0081	U 0.0081	0.10	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Chromium	0.11	0.038	0.10	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Cobalt	0.069	B 0.0061	0.10	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Copper	0.89	B 0.13	1.0	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Iron	50	1.9	5.0	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Manganese	29	0.082	1.0	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Mercury	0.013	0.0024	0.010	1	mg/Kg wet		06/15/07 05:33 PM SW846 M7471	SW846 M7471	
							Prep Date/Time:	06/15/07 03:15 PM	Anl By: MSB
Molybdenum	0.057	B 0.016	1.0	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Nickel	0.69	B 0.34	1.0	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Selenium	0.54	0.045	0.10	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		06/27/07 02:39 AM SW846 3050B	SW846 6020	
							Prep Date/Time:	06/19/07 11:15 AM	Anl By: AWH
Strontium	8.5	0.057	1.0	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Zinc	21	1.4	5.0	1	mg/Kg wet		06/21/07 04:52 PM SW846 M3050	SW846 6020	
							Prep Date/Time:	06/19/07 10:47 AM	Anl By: AWH
Percent Solids	21.3	--	--	1	% wet		07/03/07	SM 2540G M	SM 2540G M
							Prep Date/Time:	07/03/07	Anl By: JAL

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Analytical Report Number: 884529

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Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT PIT LAKE
Project Number : 06W003
Field ID : #2 PIT LAKE

Matrix Type : BIOTA
Collection Date : 06/05/07
Report Date : 07/09/07
Lab Sample Number : 884631-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	0.92	B 0.36	5.0	1	mg/Kg wet		06/21/07 05:00 PM	SW846 M3050	SW846 6020
Antimony	0.024	B 0.0085	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Arsenic	0.061	B 0.013	0.10	1	mg/Kg wet		06/21/07 05:00 PM	SW846 M3050	SW846 6020
Barium	0.39	0.034	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 05:00 PM	SW846 M3050	SW846 6020
Boron	0.18	B 0.031	1.0	1	mg/Kg wet	A	06/21/07 05:00 PM	SW846 M3050	SW846 6020
Cadmium	0.012	B 0.0081	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Chromium	0.16	0.038	0.10	1	mg/Kg wet		06/21/07 05:00 PM	SW846 M3050	SW846 6020
Cobalt	0.066	B 0.0061	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Copper	1.2	0.13	1.0	1	mg/Kg wet		06/21/07 05:00 PM	SW846 M3050	SW846 6020
Iron	44	1.9	5.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Manganese	35	0.082	1.0	1	mg/Kg wet		06/21/07 05:00 PM	SW846 M3050	SW846 6020
Mercury	0.012	0.0024	0.010	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Molybdenum	0.044	B 0.016	1.0	1	mg/Kg wet		06/21/07 05:00 PM	SW846 M3050	SW846 6020
Nickel	0.52	B 0.34	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Selenium	0.58	0.045	0.10	1	mg/Kg wet		06/21/07 05:00 PM	SW846 M3050	SW846 6020
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Strontium	11	0.057	1.0	1	mg/Kg wet		06/21/07 05:00 PM	SW846 M3050	SW846 6020
Zinc	19	1.4	5.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Percent Solids	18.6	—	—	1	% wet		07/03/07	SM 2540G M	SM 2540G M
								Prep Date/Time: 07/03/07	Anl By: JAL

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Analytical Report Number: 884529

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Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT PIT LAKE
Project Number : 06W003
Field ID : #3 PIT LAKE

Matrix Type : BIOTA
Collection Date : 06/05/07
Report Date : 07/09/07
Lab Sample Number : 884631-003

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	14	0.36	5.0	1	mg/Kg wet		06/21/07 05:08 PM	SW846 M3050	SW846 6020
Antimony	0.060	B 0.0085	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Arsenic	0.83	0.013	0.10	1	mg/Kg wet		06/21/07 05:08 PM	SW846 M3050	SW846 6020
Barium	0.79	0.034	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 05:08 PM	SW846 M3050	SW846 6020
Boron	0.12	B 0.031	1.0	1	mg/Kg wet	A	06/21/07 05:08 PM	SW846 M3050	SW846 6020
Cadmium	0.0081	U 0.0081	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Chromium	0.25	0.038	0.10	1	mg/Kg wet		06/21/07 05:08 PM	SW846 M3050	SW846 6020
Cobalt	0.16	0.0061	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Copper	2.7	0.13	1.0	1	mg/Kg wet		06/21/07 05:08 PM	SW846 M3050	SW846 6020
Iron	450	1.9	5.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Manganese	19	0.082	1.0	1	mg/Kg wet		06/21/07 05:08 PM	SW846 M3050	SW846 6020
Mercury	0.011	0.0024	0.010	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Molybdenum	0.14	B 0.016	1.0	1	mg/Kg wet		06/21/07 05:08 PM	SW846 M3050	SW846 6020
Nickel	1.5	0.34	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Selenium	0.62	0.045	0.10	1	mg/Kg wet		06/21/07 05:08 PM	SW846 M3050	SW846 6020
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		06/27/07 02:47 AM	SW846 3050B	SW846 6020
Strontium	4.7	0.057	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 11:15 AM	Anl By: AWH	
Zinc	13	1.4	5.0	1	mg/Kg wet		06/21/07 05:08 PM	SW846 M3050	SW846 6020
Percent Solids	21.1	---	--	1	% wet		06/19/07 10:47 AM	Anl By: AWH	
							07/03/07	SM 2540G M	SM 2540G M
								Prep Date/Time: 07/03/07	Anl By: JAL

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Analytical Report Number: 884529

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Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT PIT LAKE
Project Number : 06W003
Field ID : #4 PIT LAKE

Matrix Type : BIOTA
Collection Date : 06/05/07
Report Date : 07/09/07
Lab Sample Number : 884631-004

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	46	0.36	5.0	1	mg/Kg wet		06/21/07 05:16 PM	SW846 M3050	SW846 6020
Antimony	0.20	0.0085	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Arsenic	0.22	0.013	0.10	1	mg/Kg wet		06/27/07 02:51 AM	SW846 M3050B	SW846 6020
Barium	0.72	0.034	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 11:15 AM	Anl By: AWH	
Beryllium	0.0070	B	0.0070	0.10	1	mg/Kg wet	06/21/07 05:16 PM	SW846 M3050	SW846 6020
Boron	0.22	B	0.031	1.0	1	mg/Kg wet	Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Cadmium	0.010	B	0.0081	0.10	1	mg/Kg wet	06/21/07 05:16 PM	SW846 M3050	SW846 6020
Chromium	0.20	0.038	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Cobalt	0.27	0.0061	0.10	1	mg/Kg wet		06/21/07 05:16 PM	SW846 M3050	SW846 6020
Copper	2.9	0.13	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Iron	230	1.9	5.0	1	mg/Kg wet		06/21/07 05:16 PM	SW846 M3050	SW846 6020
Manganese	57	0.082	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Mercury	0.013	0.0024	0.010	1	mg/Kg wet		06/15/07 05:37 PM	SW846 M7471	SW846 M7471
Molybdenum	0.15	B	0.016	1.0	1	mg/Kg wet	Prep Date/Time: 06/19/07 03:15 PM	Anl By: MSB	
Nickel	3.6	0.34	1.0	1	mg/Kg wet		06/21/07 05:16 PM	SW846 M3050	SW846 6020
Selenium	0.53	0.045	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Silver	0.011	U	0.011	0.050	1	mg/Kg wet	06/27/07 02:51 AM	SW846 3050B	SW846 6020
Strontium	9.1	0.057	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 11:15 AM	Anl By: AWH	
Zinc	17	1.4	5.0	1	mg/Kg wet		06/21/07 05:16 PM	SW846 M3050	SW846 6020
Percent Solids	22.7	--	--	1	% wet		07/03/07	SM 2540G M	SM 2540G M
							Prep Date/Time: 07/03/07		Anl By: JAL

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Client : FOTH INFRASTRUCTURE & ENVIRONMENT

Project Name : HUMBOLDT PIT LAKE

Project Number : 06W003

Field ID : #5 PIT LAKE

Matrix Type : BIOTA

Collection Date : 06/05/07

Report Date : 07/09/07

Lab Sample Number : 884631-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	0.99	B 0.36	5.0	1	mg/Kg wet		06/21/07 05:23 PM SW846 M3050	SW846 6020	
Antimony	0.0085	U 0.0085	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Arsenic	0.12	0.013	0.10	1	mg/Kg wet		06/21/07 05:23 PM SW846 M3050	SW846 6020	
Barium	0.51	0.034	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 05:23 PM SW846 M3050	SW846 6020	
Boron	0.10	B 0.031	1.0	1	mg/Kg wet	A	Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Cadmium	0.0081	U 0.0081	0.10	1	mg/Kg wet		06/21/07 05:23 PM SW846 M3050	SW846 6020	
Chromium	0.12	0.038	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Cobalt	0.052	B 0.0061	0.10	1	mg/Kg wet		06/21/07 05:23 PM SW846 M3050	SW846 6020	
Copper	0.93	B 0.13	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Iron	32	1.9	5.0	1	mg/Kg wet		06/21/07 05:23 PM SW846 M3050	SW846 6020	
Manganese	13	0.082	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Mercury	0.0064	B 0.0024	0.010	1	mg/Kg wet		06/15/07 05:41 PM SW846 M7471	SW846 M7471	
Molybdenum	0.041	B 0.016	1.0	1	mg/Kg wet		Prep Date/Time: 06/15/07 03:15 PM	Anl By: MSB	
Nickel	0.34	U 0.34	1.0	1	mg/Kg wet		06/21/07 05:23 PM SW846 M3050	SW846 6020	
Selenium	0.50	0.045	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		06/27/07 02:56 AM SW846 3050B	SW846 6020	
Strontium	6.3	0.057	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 11:15 AM	Anl By: AWH	
Zinc	22	1.4	5.0	1	mg/Kg wet		06/21/07 05:23 PM SW846 M3050	SW846 6020	
Percent Solids	17.1	—	—	1	% wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
							07/03/07	SM 2540G M	SM 2540G M
								Prep Date/Time: 07/03/07	Anl By: JAL

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Analytical Report Number: 884529

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Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT PIT LAKE
Project Number : 06W003
Field ID : #6 PIT LAKE

Matrix Type : BIOTA
Collection Date : 06/05/07
Report Date : 07/09/07
Lab Sample Number : 884631-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	0.95	B 0.36	5.0	1	mg/Kg wet		06/21/07 05:46 PM	SW846 M3050	SW846 6020
Antimony	0.058	B 0.0085	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Arsenic	0.10	0.013	0.10	1	mg/Kg wet		06/27/07 03:00 AM	SW846 3050B	SW846 6020
Barium	0.28	0.034	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 11:15 AM	Anl By: AWH	
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 05:46 PM	SW846 M3050	SW846 6020
Boron	0.24	B 0.031	1.0	1	mg/Kg wet	A	06/21/07 05:46 PM	SW846 M3050	SW846 6020
Cadmium	0.0081	U 0.0081	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Chromium	0.12	0.038	0.10	1	mg/Kg wet		06/21/07 05:46 PM	SW846 M3050	SW846 6020
Cobalt	0.16	0.0061	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Copper	1.4	0.13	1.0	1	mg/Kg wet		06/21/07 05:46 PM	SW846 M3050	SW846 6020
Iron	40	1.9	5.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Manganese	23	0.082	1.0	1	mg/Kg wet		06/21/07 05:46 PM	SW846 M3050	SW846 6020
Mercury	0.017	0.0024	0.010	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Molybdenum	0.091	B 0.016	1.0	1	mg/Kg wet		06/15/07 05:42 PM	SW846 M7471	SW846 M7471
Nickel	1.7	0.34	1.0	1	mg/Kg wet		Prep Date/Time: 06/15/07 03:15 PM	Anl By: MSB	
Selenium	0.53	0.045	0.10	1	mg/Kg wet		06/21/07 05:46 PM	SW846 M3050	SW846 6020
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Strontium	8.8	0.057	1.0	1	mg/Kg wet		06/27/07 03:00 AM	SW846 3050B	SW846 6020
Zinc	20	1.4	5.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 11:15 AM	Anl By: AWH	
Percent Solids	21.6	--	--	1	% wet		06/21/07 05:46 PM	SM 2540G M	SM 2540G M
							Prep Date/Time: 07/03/07		Anl By: JAL

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Analytical Report Number: 884529

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Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT PIT LAKE
Project Number : 06W003
Field ID : #7 PIT LAKE

Matrix Type : BIOTA
Collection Date : 06/05/07
Report Date : 07/09/07
Lab Sample Number : 884631-007

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	0.83	B 0.36	5.0	1	mg/Kg wet		06/21/07 05:54 PM	SW846 M3050	SW846 6020
Antimony	0.011	B 0.0085	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Arsenic	0.12	0.013	0.10	1	mg/Kg wet		06/27/07 03:04 AM	SW846 M3050B	SW846 6020
Barium	0.32	0.034	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 11:15 AM	Anl By: AWH	
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 05:54 PM	SW846 M3050	SW846 6020
Boron	0.11	B 0.031	1.0	1	mg/Kg wet	A	Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Cadmium	0.0081	U 0.0081	0.10	1	mg/Kg wet		06/21/07 05:54 PM	SW846 M3050	SW846 6020
Chromium	0.13	0.038	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Cobalt	0.042	B 0.0061	0.10	1	mg/Kg wet		06/21/07 05:54 PM	SW846 M3050	SW846 6020
Copper	0.54	B 0.13	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Iron	39	1.9	5.0	1	mg/Kg wet		06/21/07 05:54 PM	SW846 M3050	SW846 6020
Manganese	12	0.082	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Mercury	0.0068	B 0.0024	0.010	1	mg/Kg wet		06/15/07 05:43 PM	SW846 M7471	SW846 M7471
Molybdenum	0.041	B 0.016	1.0	1	mg/Kg wet		Prep Date/Time: 06/15/07 03:15 PM	Anl By: MSB	
Nickel	0.34	U 0.34	1.0	1	mg/Kg wet		06/21/07 05:54 PM	SW846 M3050	SW846 6020
Selenium	0.37	0.045	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		06/27/07 03:04 AM	SW846 M3050B	SW846 6020
Strontium	8.1	0.057	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 11:15 AM	Anl By: AWH	
Zinc	22	1.4	5.0	1	mg/Kg wet		06/21/07 05:54 PM	SW846 M3050	SW846 6020
Percent Solids	22.2	—	—	1	% wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
							07/03/07	SM 2540G M	SM 2540G M
								Prep Date/Time: 07/03/07	Anl By: JAL

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Client : FOTH INFRASTRUCTURE & ENVIRONMENT
Project Name : HUMBOLDT PIT LAKE
Project Number : 06W003
Field ID : #8 PIT LAKE

Matrix Type : BIOTA
Collection Date : 06/05/07
Report Date : 07/09/07
Lab Sample Number : 884631-008

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	0.66	B 0.36	5.0	1	mg/Kg wet		06/21/07 06:01 PM SW846 M3050	SW846 6020	
Antimony	0.0085	U 0.0085	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Arsenic	0.092	B 0.013	0.10	1	mg/Kg wet		06/27/07 03:08 AM SW846 3050B	SW846 6020	
Barium	0.33	0.034	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 11:15 AM	Anl By: AWH	
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 06:01 PM SW846 M3050	SW846 6020	
Boron	0.17	B 0.031	1.0	1	mg/Kg wet	A	06/21/07 06:01 PM SW846 M3050	SW846 6020	
Cadmium	0.0081	U 0.0081	0.10	1	mg/Kg wet		06/21/07 06:01 PM SW846 M3050	SW846 6020	
Chromium	0.096	B 0.038	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Cobalt	0.041	B 0.0061	0.10	1	mg/Kg wet		06/21/07 06:01 PM SW846 M3050	SW846 6020	
Copper	0.85	B 0.13	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Iron	46	1.9	5.0	1	mg/Kg wet		06/21/07 06:01 PM SW846 M3050	SW846 6020	
Manganese	9.4	0.082	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Mercury	0.012	0.0024	0.010	1	mg/Kg wet		06/15/07 05:45 PM SW846 M7471	SW846 M7471	
Molybdenum	0.19	B 0.016	1.0	1	mg/Kg wet		Prep Date/Time: 06/15/07 03:15 PM	Anl By: MSB	
Nickel	0.37	B 0.34	1.0	1	mg/Kg wet		06/21/07 06:01 PM SW846 M3050	SW846 6020	
Selenium	0.48	0.045	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		06/27/07 03:08 AM SW846 3050B	SW846 6020	
Strontium	14	0.057	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 11:15 AM	Anl By: AWH	
Zinc	14	1.4	5.0	1	mg/Kg wet		06/21/07 06:01 PM SW846 M3050	SW846 6020	
Percent Solids	19.9	—	—	1	% wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
							07/03/07	SM 2540G M	SM 2540G M
								Prep Date/Time: 07/03/07	Anl By: JAL

Pace Analytical
Services, Inc.

Analytical Report Number: 884529

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT

Project Name : HUMBOLDT PIT LAKE

Project Number : 06W003

Field ID : #9 PIT LAKE

Matrix Type : BIOTA

Collection Date : 06/05/07

Report Date : 07/09/07

Lab Sample Number : 884631-009

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	1.2	B 0.36	5.0	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Antimony	0.0085	U 0.0085	0.10	1	mg/Kg wet		06/27/07 03:12 AM	SW846 3050B	SW846 6020
Arsenic	0.27	0.013	0.10	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Barium	0.41	0.034	0.10	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Boron	0.13	B 0.031	1.0	1	mg/Kg wet	A	06/21/07 06:09 PM	SW846 M3050	SW846 6020
Cadmium	0.0081	U 0.0081	0.10	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Chromium	0.099	B 0.038	0.10	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Cobalt	0.064	B 0.0061	0.10	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Copper	0.75	B 0.13	1.0	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Iron	80	1.9	5.0	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Manganese	9.1	0.082	1.0	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Mercury	0.016	0.0024	0.010	1	mg/Kg wet		06/15/07 05:46 PM	SW846 M7471	SW846 M7471
Molybdenum	0.043	B 0.016	1.0	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Nickel	0.52	B 0.34	1.0	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Selenium	0.46	0.045	0.10	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		06/27/07 03:12 AM	SW846 3050B	SW846 6020
Strontium	9.7	0.057	1.0	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Zinc	20	1.4	5.0	1	mg/Kg wet		06/21/07 06:09 PM	SW846 M3050	SW846 6020
Percent Solids	20.4	--	--	1	% wet		07/03/07	SM 2540G M	SM 2540G M
								Prep Date/Time: 07/03/07	Anl By: JAL

Pace Analytical
Services, Inc.

Analytical Report Number: 884529

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : FOTH INFRASTRUCTURE & ENVIRONMENT

Project Name : HUMBOLDT PIT LAKE

Project Number : 06W003

Field ID : #10 PIT LAKE

Matrix Type : BIOTA

Collection Date : 06/05/07

Report Date : 07/09/07

Lab Sample Number : 884631-010

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aluminum	0.93	B 0.36	5.0	1	mg/Kg wet		06/21/07 06:16 PM	SW846 M3050	SW846 6020
Antimony	0.028	B 0.0085	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Arsenic	0.089	B 0.013	0.10	1	mg/Kg wet		06/21/07 06:16 PM	SW846 M3050	SW846 6020
Barium	0.44	0.034	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Beryllium	0.0070	U 0.0070	0.10	1	mg/Kg wet		06/21/07 06:16 PM	SW846 M3050	SW846 6020
Boron	0.14	B 0.031	1.0	1	mg/Kg wet	A	06/21/07 06:16 PM	SW846 M3050	SW846 6020
Cadmium	0.0081	U 0.0081	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Chromium	0.13	0.038	0.10	1	mg/Kg wet		06/21/07 06:16 PM	SW846 M3050	SW846 6020
Cobalt	0.096	B 0.0061	0.10	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Copper	1.1	0.13	1.0	1	mg/Kg wet		06/21/07 06:16 PM	SW846 M3050	SW846 6020
Iron	56	1.9	5.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Manganese	44	0.082	1.0	1	mg/Kg wet		06/21/07 06:16 PM	SW846 M3050	SW846 6020
Mercury	0.0096	B 0.0024	0.010	1	mg/Kg wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
Molybdenum	0.076	B 0.016	1.0	1	mg/Kg wet		06/15/07 05:47 PM	SW846 M7471	SW846 M7471
Nickel	1.2	0.34	1.0	1	mg/Kg wet		Prep Date/Time: 06/15/07 03:15 PM	Anl By: MSB	
Selenium	0.56	0.045	0.10	1	mg/Kg wet		06/21/07 06:16 PM	SW846 M3050	SW846 6020
Silver	0.011	U 0.011	0.050	1	mg/Kg wet		06/27/07 03:16 AM	SW846 3050B	SW846 6020
Strontium	11	0.057	1.0	1	mg/Kg wet		Prep Date/Time: 06/19/07 11:15 AM	Anl By: AWH	
Zinc	19	1.4	5.0	1	mg/Kg wet		06/21/07 06:16 PM	SW846 M3050	SW846 6020
Percent Solids	23.4	--	--	1	% wet		Prep Date/Time: 06/19/07 10:47 AM	Anl By: AWH	
							07/03/07	SM 2540G M	SM 2540G M
							Prep Date/Time: 07/03/07		Anl By: JAL

**Pace Analytical
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1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
884529-	M-B-B	All Samples	A - Analyte is detected in the method blank at a concentration of 0.062 mg/kg wet.
884529-	M-SB-B	All Samples	Internal standard limits of 30-140% used. All QC within limits.

**Pace Analytical
Services, Inc.**

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Green Bay, WI 54302
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Lab Number	TestGroupID	Field ID	Comment
884631-	M-B-B	All Samples	A - Analyte is detected in the method blank at a concentration of 0.062 mg/kg wet.
884631-	M-SB-B	All Samples	Internal standard limits of 30-140% used. All QC within limits.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the CCV standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level; therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Test Group Name	884529-001	884529-002	884529-003	884529-004	884529-005	884529-006	884529-007	884529-008	884529-009	884529-010
ALUMINUM	B	B	B	B	B	B	B	B	B	B
ANTIMONY	B	B	B	B	B	B	B	B	B	B
ARSENIC	B	B	B	B	B	B	B	B	B	B
BARIUM	B	B	B	B	B	B	B	B	B	B
BERYLLIUM	B	B	B	B	B	B	B	B	B	B
BIOTA PREP	B	B	B	B	B	B	B	B	B	B
BORON	B	B	B	B	B	B	B	B	B	B
CADMIUM	B	B	B	B	B	B	B	B	B	B
CHROMIUM	B	B	B	B	B	B	B	B	B	B
COBALT	B	B	B	B	B	B	B	B	B	B
COPPER	B	B	B	B	B	B	B	B	B	B
IRON	B	B	B	B	B	B	B	B	B	B
MANGANESE	B	B	B	B	B	B	B	B	B	B
MERCURY	B	B	B	B	B	B	B	B	B	B
MOLYBDENUM	B	B	B	B	B	B	B	B	B	B
NICKEL	B	B	B	B	B	B	B	B	B	B
PERCENT SOLIDS	B	B	B	B	B	B	B	B	B	B
SELENIUM	B	B	B	B	B	B	B	B	B	B
SILVER	B	B	B	B	B	B	B	B	B	B
STRONTIUM	B	B	B	B	B	B	B	B	B	B
ZINC	B	B	B	B	B	B	B	B	B	B

Code	MI Certification
B	Not Certified

Test Group Name

	884631-001	884631-002	884631-003	884631-004	884631-005	884631-006	884631-007	884631-008	884631-009	884631-010
ALUMINUM	B	B	B	B	B	B	B	B	B	B
ANTIMONY	B	B	B	B	B	B	B	B	B	B
ARSENIC	B	B	B	B	B	B	B	B	B	B
BARIUM	B	B	B	B	B	B	B	B	B	B
BERYLLIUM	B	B	B	B	B	B	B	B	B	B
BIOTA PREP	B	B	B	B	B	B	B	B	B	B
BORON	B	B	B	B	B	B	B	B	B	B
CADMIUM	B	B	B	B	B	B	B	B	B	B
CHROMIUM	B	B	B	B	B	B	B	B	B	B
COBALT	B	B	B	B	B	B	B	B	B	B
COPPER	B	B	B	B	B	B	B	B	B	B
IRON	B	B	B	B	B	B	B	B	B	B
MANGANESE	B	B	B	B	B	B	B	B	B	B
MERCURY	B	B	B	B	B	B	B	B	B	B
MOLYBDENUM	B	B	B	B	B	B	B	B	B	B
NICKEL	B	B	B	B	B	B	B	B	B	B
PERCENT SOLIDS	B	B	B	B	B	B	B	B	B	B
SELENIUM	B	B	B	B	B	B	B	B	B	B
SILVER	B	B	B	B	B	B	B	B	B	B
STRONTIUM	B	B	B	B	B	B	B	B	B	B
ZINC	B	B	B	B	B	B	B	B	B	B

Code	MI Certification
B	Not Certified

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

SDG: 884529		METALS									
Lab Section:	QC Batch Number:	SW846 M7471A					SW846 M7471A				
Prep Method:	Analytical Method:	Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID	Client Sample ID
		#1 LAKE LORY	884529-001	MB	#2 LAKE LORY	884529-012	MB	#1 LAKE LORY	884529-001	MB	#1 LAKE LORY
		#3 LAKE LORY	884529-003	MB	#4 LAKE LORY	884529-004	MB	#2 LAKE LORY	884529-002	MB	#3 LAKE LORY
		#5 LAKE LORY	884529-005	MB	#6 LAKE LORY	884529-006	MB	#3 LAKE LORY	884529-003	MB	#4 LAKE LORY
		#7 LAKE LORY	884529-007	MB	#8 LAKE LORY	884529-008	MB	#4 LAKE LORY	884529-004	MB	#5 LAKE LORY
		#9 LAKE LORY	884529-009	MB	#10 LAKE LORY	884529-010	MB	#5 LAKE LORY	884529-005	MB	#6 LAKE LORY
		#1 PIT LAKE	884631-001	MB	#2 PIT LAKE	884631-002	MB	#6 PIT LAKE	884631-006	MB	#7 PIT LAKE
		#3 PIT LAKE	884631-003	MB	#4 PIT LAKE	884631-004	MB	#8 PIT LAKE	884631-008	MB	#9 PIT LAKE
		#5 PIT LAKE	884631-005	MB	#6 PIT LAKE	884631-007	MB	#10 PIT LAKE	884631-010	MB	
		#7 PIT LAKE	884631-007	MB							
		#9 PIT LAKE	884631-009	MB							
Test Name		Method Blank Result	LCS Spiked Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery %	Parent Sample Number	MS Spiked Conc %	MS Recovery %	MSD Spiked Conc %
Matrix		< 0.024	0.25	0.2	80.0	—	—	—	0.086	0.25	0.29
Control Limits						LCL	UCL	RPD	Conc %	Conc %	Conc %
LCS/LCSD						LCS/LCSD	LCS/LCSD	LCS/LCSD	MSD Recovery %	MSD Spiked Conc %	MS/MSD Control Limits
LCL						LCL	UCL	RPD	Conc %	Conc %	Conc %
UCL						LCL	UCL	RPD	Conc %	Conc %	Conc %
RPD						LCL	UCL	RPD	Conc %	Conc %	Conc %
MS/MSD						LCL	UCL	RPD	Conc %	Conc %	Conc %
Control Limits						LCL	UCL	RPD	Conc %	Conc %	Conc %

**Pace Analytical
Services, Inc.**

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

SDG: 884529

Lab Section: METALS

QC Batch Number: 22006

Prep Method: SW846 3050B

Analytical Method: SW846 6020

Client Sample ID Lab Sample ID MB ID

#1 LAKE LORY 884529-001 MB

#3 LAKE LORY 884529-003 MB

#5 LAKE LORY 884529-005 MB

#7 LAKE LORY 884529-007 MB

#9 LAKE LORY 884529-009 MB

#1 PIT LAKE 884631-001 MB

#3 PIT LAKE 884631-003 MB

#5 PIT LAKE 884631-005 MB

#7 PIT LAKE 884631-007 MB

#9 PIT LAKE 884631-009 MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery % C	LCSD Spiked Conc	LCSD Recovery % C	LCS/LCSD RPD % C	LCS/LCSD Control Limits	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery % C	MSD Spiked Conc	MSD Recovery % C	MS/MSD RPD % C	MS/MSD Control Limits
Antimony	< 0.0385	20.0	16.4 81.9	—	—	—	UCL % C	884529-001	< 0.0385	20.0	16.8 83.8	20.0	16.6 82.8	1.2	75 125
Silver	< 0.011	10	8.5 85.5	—	—	—	UCL % C	884529-001	< 0.011	10	8.4 84.0	10	8.2 82.3	2.1	75 125

Conc = mg/Kg unless otherwise noted

C = QC Code, see Qualifier Sheet

Parent Result is reported down to MDL in order to allow Validation of this worksheet

The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 7/9/2007

QC Batch Number: 22006

**Pace Analytical
Services, Inc.**

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8227

SDG: 884529

Lab Section: METALS

QC Batch Number: 22007

Prep Method: SW846 M3050B

Analytical Method: SW846 6020

Client Sample ID Lab Sample ID MB ID

#1 LAKE LORY 884529-001 MB

#3 LAKE LORY 884529-003 MB

#5 LAKE LORY 884529-005 MB

#7 LAKE LORY 884529-007 MB

#9 LAKE LORY 884529-009 MB

#1 PITT LAKE 884631-001 MB

#3 PITT LAKE 884631-003 MB

#5 PITT LAKE 884631-005 MB

#7 PITT LAKE 884631-007 MB

#9 PITT LAKE 884631-009 MB

Test Name	Method Blank Result	LCS Spiked Conc	LCS Recovery Conc %	LCSD Spiked Conc	LCSD Recovery Conc %	LCSI/LCSD Control Limit RPL %	LCSI/LCSD RPL %	Parent Sample Number	Parent Result Conc	MS Spiked Conc %	MS Recovery Conc %	MSD Spiked Conc %	MSD Recovery Conc %	MS/ MSD C %	MS/MSD Control Limits										
															UCL %	RPD %	LCL %								
Aluminum	< 0.36	1000	883.3	88.3	—	—	—	—	75	125	20	884529-001	16.76	1000	805.8	78.9	1000	813.8	79.7	1.0	75	125	20		
Arsenic	< 0.013	20.0	18.6	93.2	—	—	—	—	75	125	20	884529-001	0.0930	20.0	17.6	87.7	20.0	17.3	86.2	—	1.7	75	125	20	
Barium	< 0.034	20.0	16.3	81.5	—	—	—	—	75	125	20	884529-001	0.911	20.0	17.1	80.9	20.0	17	80.4	—	0.5	75	125	20	
Beryllium	< 0.007	20.0	17.1	85.4	—	—	—	—	75	125	20	884529-001	0.000E-3	20.0	16.2	81.0	20.0	16.1	80.6	—	0.5	75	125	20	
Boron	J 0.062	20.0	16.5	82.7	—	—	—	—	75	125	20	884529-001	0.190	20.0	14.7	72.6	N	20.0	14.8	73.3	N	0.9	75	125	20
Cadmium	< 0.0081	20.0	17.1	85.7	—	—	—	—	75	125	20	884529-001	0.0170	20.0	16.1	80.3	20.0	16	80.1	—	0.3	75	125	20	
Chromium	< 0.038	20.0	17.3	86.4	—	—	—	—	75	125	20	884529-001	0.239	20.0	16.3	80.4	20.0	16.2	79.8	—	0.7	75	125	20	
Cobalt	< 0.0061	20.0	17.1	85.7	—	—	—	—	75	125	20	884529-001	0.0350	20.0	15.6	77.8	20.0	15.6	77.7	—	0.1	75	125	20	
Copper	< 0.13	20.0	17.3	86.7	—	—	—	—	75	125	20	884529-001	0.663	20.0	15.9	76.2	20.0	16.1	77.2	—	1.2	75	125	20	
Iron	< 1.9	1000	881.4	88.1	—	—	—	—	75	125	20	884529-001	94.96	1000	988.6	94.4	1000	885.8	78.5	5.3	75	125	20		
Manganese	< 0.032	20.0	17.5	87.4	—	—	—	—	75	125	20	884529-001	19.0	20.0	35.5	82.3	20.0	30.5	57.2	N	15.2	75	125	20	
Molybdenum	< 0.016	20.0	15.9	79.5	—	—	—	—	75	125	20	884529-001	0.124	20.0	15.6	77.4	20.0	15.8	76.2	—	1.0	75	125	20	
Nickel	< 0.34	20.0	17.1	85.3	—	—	—	—	75	125	20	884529-001	<	20.0	15.9	79.3	20.0	15.8	78.9	—	0.4	75	125	20	
Selenium	< 0.045	20.0	18.5	92.4	—	—	—	—	75	125	20	884529-001	0.584	20.0	18	86.9	20.0	17.5	84.7	—	2.4	75	125	20	
Sodium	< 0.057	20.0	16	80.2	—	—	—	—	75	125	20	884529-001	17.2	20.0	31.5	71.6	N	20.0	31.3	70.3	N	0.8	75	125	20
Zinc	< 1.4	50.0	41.5	83.1	—	—	—	—	75	125	20	884529-001	18.7	20.0	33.2	72.3	N	20.0	31.1	61.9	N	6.6	75	125	20

Conc = mg/Kg unless otherwise noted

C = QC Code, see Qualifier Sheet

Parent Result is reported down to MDL in order to allow validation of this worksheet

The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 7/9/2007

QC Batch Number: 22007

Page 30



Sample Condition Upon Receipt

Client Name: Fifth Infrastructure Project # 884 529

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____
Tracking #: _____

Original	Previous Date	Project Name

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other Poly bags

Thermometer Used JB

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Cooler Temperature 1.0°C

Biological Tissue Is Frozen: Yes No

Comments:

Date and Initials of person examining contents: 6-6-07 MWT

ICE/6/07

Temp should be above freezing to 6°C

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9. <u>Poly Bags</u>	
-Pace Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix:	<u>B</u>		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

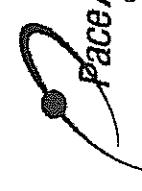
MAT for Tod N.

Date: 7.9.07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

(Please Print Clearly)

Company Name: **FORTH INFRASTRUCTURE**

 Pace Analytical®
www.paceitats.com

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Page ✓ ✓ f ✓ COC No. **022165**

Project Contact: **Andrea Martin**

CHAIN OF CUSTODY

*Preservation Codes								
A=None	B=HCl	C=H ₂ SO ₄	E=NO ₃	F=ED ₁ Water	G=Methanol	H=Sodium Bisulfite Solution	I=Sodium Thiosulfate	J=Other

CHAIN OF CUSTODY

*Preservation Codes								
A=None	B=HCl	C=H ₂ SO ₄	E=NO ₃	F=ED ₁ Water	G=Methanol	H=Sodium Bisulfite Solution	I=Sodium Thiosulfate	J=Other

Sample Condition Upon Receipt

Pace Analytical

Client Name: Foth I+E

Project # 884631

Courier: FedEx UPS USPS Client Commercial Pace Other _____
 Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:
Comments:

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other Zip Locks

Thermometer Used TB Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 25

Biological Tissue Is Frozen: Yes

Comments:

Date and Initials of person examining contents: 6-7-07 CG

Temp should be above freezing to 6°C

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. <i>No dates or times on COC or samples.</i> <i>CG 6-7-07</i>
-Includes date/time/ID/Analysis Matrix:	<u>B</u>	
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Lot # of added preservative
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

MAT for Tod N

Date: 7.9.07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

(Please Print Clearly)

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of

Company Name:	Fifth Infrastructure
Branch/Location:	Andover Marina
Project Contact:	Andy Martin
Phone:	620 406 6854
Project Number:	HURON RIVER PIT LAKE
Project Name:	



www.pacealabs.com

CHAIN OF CUSTODY

*Preservation Codes
 A=None B=HCl C=H₂SO₄ D=HNO₃ E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfite Solution I=Sodium Thiosulfate J=Other

Data Package Options (Available)	MS/MSD		Matrix Codes		Analyses Requested	CLIENT COMMENTS (Lab Use Only)	LAB COMMENTS (Lab Use Only)	Profile #
	<input type="checkbox"/> EPA Level III	<input type="checkbox"/> EPA Level IV	<input type="checkbox"/> On your sample (billable)	<input type="checkbox"/> NOT needed on your sample				
PACE LAB #	CLIENT FIELD ID		DATE	TIME				
001	#1 Pit Lake							1 - Zip lock
002	#2	11	11					
003	#3							
004	#4							
005	#5							
006	#6							
007	#7							
008	#8							
009	#9							
010	#10							
Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:								
Transmit Prelim Rush Results by (complete what you want):								
Email #1:			Received By:	Date/Time:	Received By:	Date/Time:	PACE Project No.	
Email #2:			Received By:	Date/Time:	Received By:	Date/Time:		884631
Telephone:			Received By:	Date/Time:	Received By:	Date/Time:	Sample Receipt pH	2.5 °C
Fax:			Received By:	Date/Time:	Received By:	Date/Time:	OK / Adjusted	
Samples on HOLD are subject to Special pricing and release of liability				Received By:	Date/Time:	Received By:	Cooler Custody Seal Present / Not Present	Intact / Not Intact